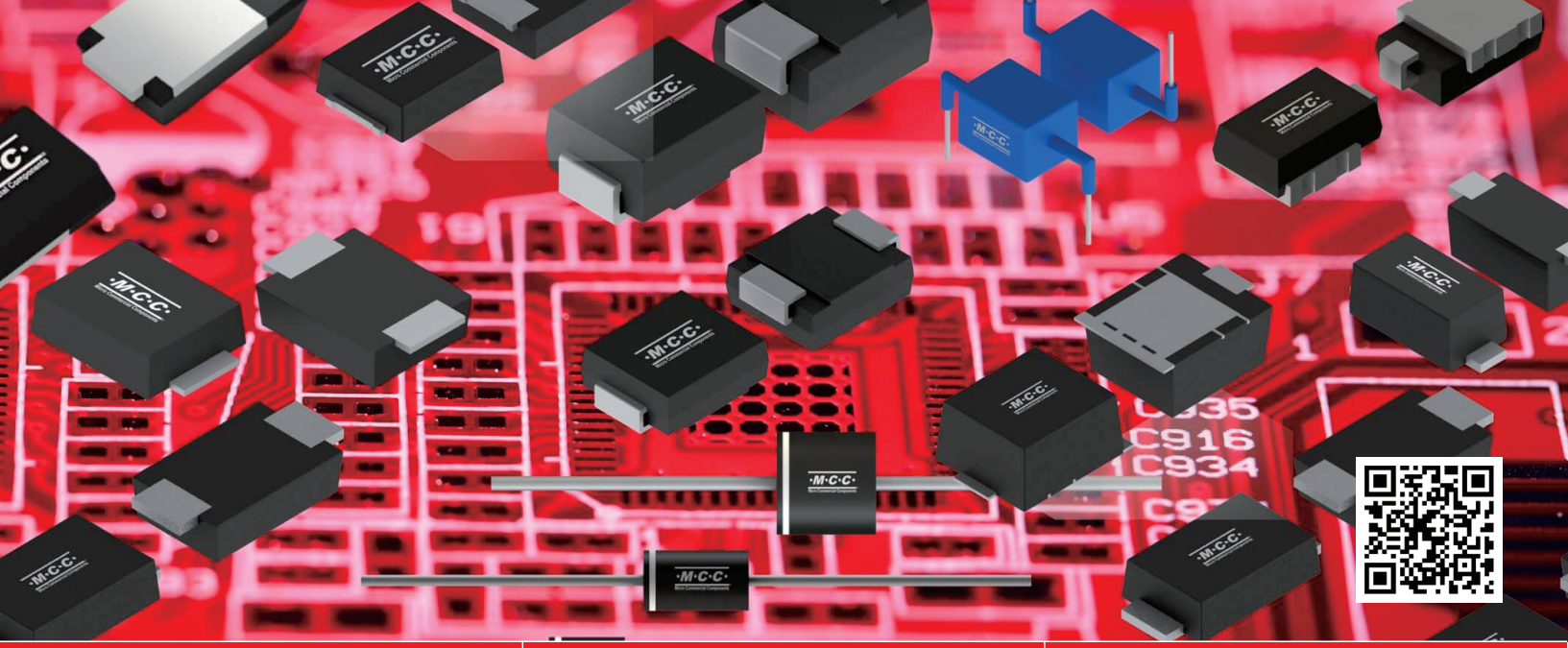

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TABLE OF CONTENTS-AUTOMOTIVE

TABLE OF CONTENTS

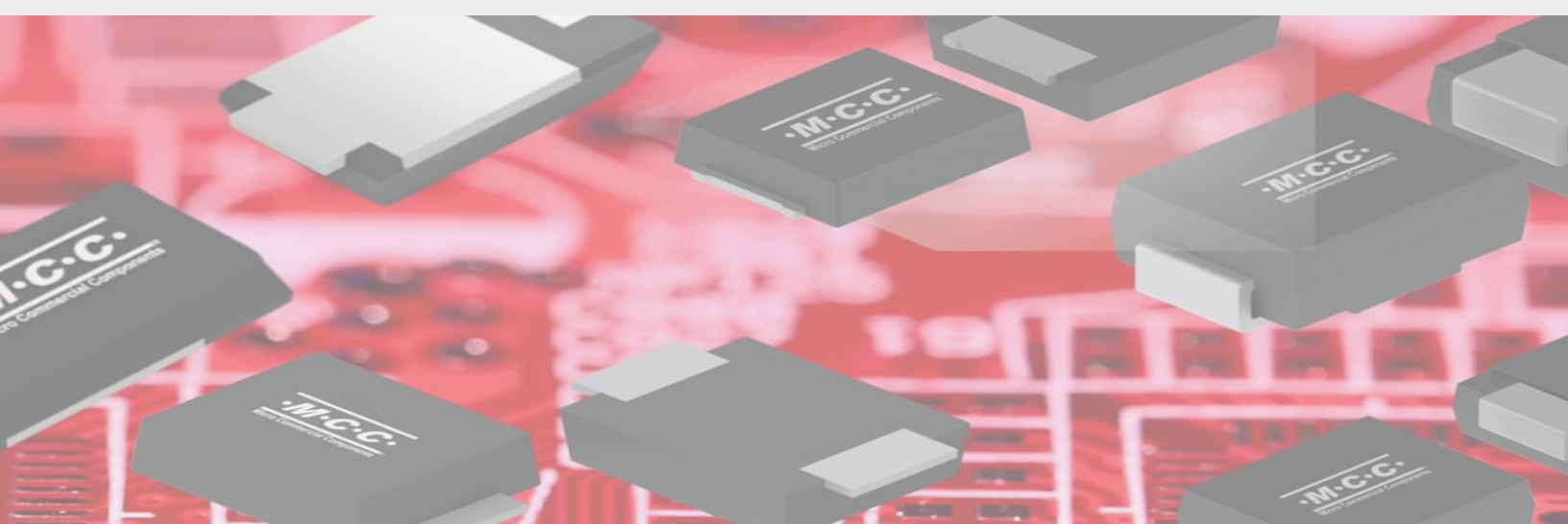
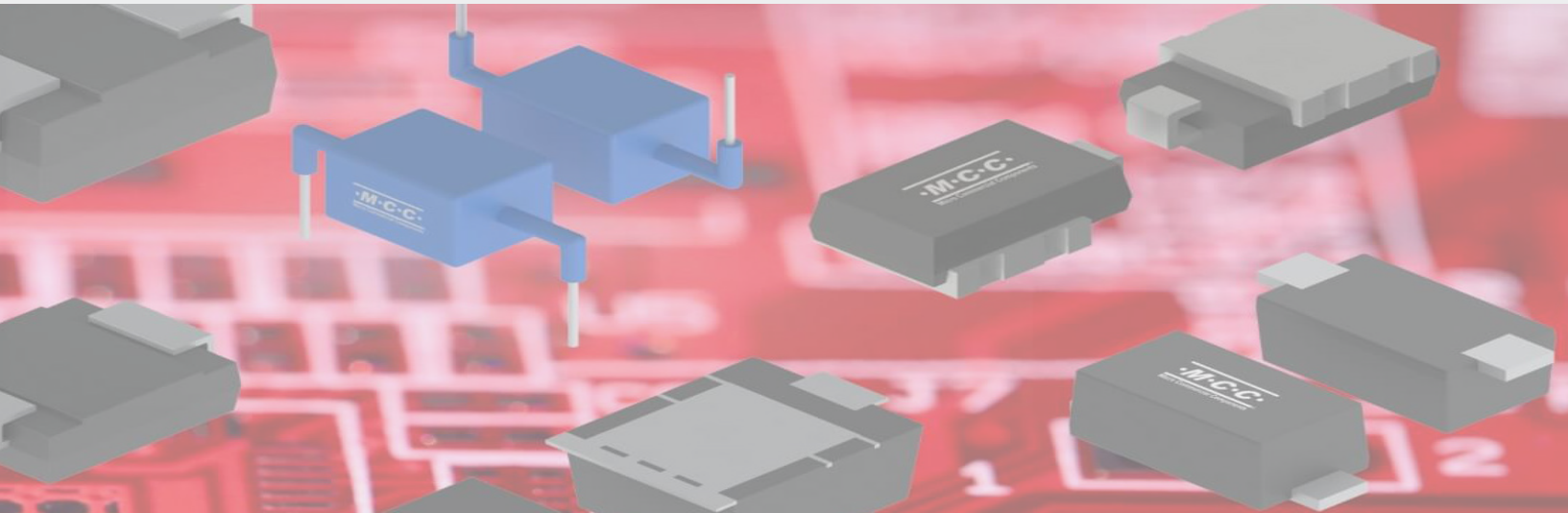


TABLE OF CONTENTS



Diodes

Diodes are the cornerstone of modern electronics, and our extensive lineup enables efficiency and flexibility to meet your specific needs. Whether it's a Zener, Schottky, FRED, or a broad range of rectifiers, our diodes deliver exceptional performance and reliability for a range of demanding applications. Choose from smart solutions — including automotive-grade offerings — in the configurations you need to remain competitive in an evolving marketplace.

Diodes

PRODUCT

Diodes

APPLICATION

Diodes

Automotive Grade

Automotive Zener Diodes

Part Number	Package	Power Rating	Maximum Reverse Leakage Current		Nominal Zener Voltage		Maximum Zener Impedance			Operating Junction Temperature
		P_D (W)	I_R (mA)	V_R (V)	V_Z (V)	I_{ZT} (mA)	Z_{ZT} (Ω)	Z_{ZK} (Ω)	I_{ZK} (mA)	T_J (°C)
BZT52C2V4L3PHE3~BZT52C39L3PHE3	DFN1006-2L	0.15	0.0001~0.05	1~35	2.4~47	2~5	10~130	80~750	0.5~1	150
BZX584B3V6HE3~BZX584B36HE3	SOD-523	0.15	0.0001~0.005	1~25.2	3.6~36	2~5	10~90	80~600	0.5~1	150
BZX584C2V4HE3~BZX584C39HE3	SOD-523	0.15	0.0001~0.05	1~27.3	2.4~39	2~5	10~130	80~600	0.5~1	150
AZ23C2V4WHE3~AZ23C39WHE3	SOT-323	0.20	0.0001~0.05	1~27.3	2.4~39	2~5	10~130	80~600	0.5~1	150
BZT52B3V6JSHE3~BZT52B47JSHE3	SOD-323	0.20	0.000045~0.0045	1~33	3.6~47	5	10~160	80~564	0.5~1	150
BZT52C2V4SHE3-BZT52C47SHE3	SOD-323	0.20	0.0001~0.05	1~35	2.4~47	2~5	10~130	80~750	0.5~1	150
BZX84C2V4WHE3~BZX84C47WHE3	SOT-323	0.20	0.0001~0.05	1~27.3	2.4~39	2~5	10~130	80~600	0.5~1	150
AZ23B3V6HE3~AZ23B39HE3	SOT-23	0.30	0.0001~0.005	1~27.3	3.6~39	2~5	10~130	80~600	0.5~1	150
AZ23C2V4HE3~AZ23C39HE3	SOT-23	0.30	0.0001~0.05	1~27.3	2.4~39	2~5	10~130	80~600	0.5~1	150
BZT52C75SHE3	SOD-323	0.30	0.00005	52.5	75	2	255	500	0.5	150
DZ23C2V4HE3~DZ23C47HE3	SOD-323	0.30	0.0001~0.05	0.8~35	2.4~47	5	7~100	80~750	1	150
BZX84B4V3HE3~BZX84B36HE3	SOT-23	0.35	0.0001~0.005	1~25.2	3.6~36	2~5	10~90	80~600	0.5~1	150
BZX84C2V4HE3~BZX84C47HE3	SOT-23	0.35	0.0001~0.05	1~32.9	2.4~47	2~5	10~170	80~600	0.5~1	150
BZT52B3V6HE3~BZT52B47HE3	SOD-123	0.50	0.0001~0.015	0.8~35	3.6~47	2~5	7~100	80~600	1	150
BZT52C2V4HE3~BZT52C47HE3	SOD-123	0.50	0.0001~0.05	1~35	2.4~47	2~5	10~130	80~750	0.5~1	150
MMSZ5221BHE3~MMSZ5261BHE3	SOD-123	0.50	0.0001~0.1	1~30	2.4~39	3.2~20	5~80	500~2000	0.25	150
DFLZ6V2Q~DFLZ100Q	SOD-123FL	1.00	0.005~0.01	3~76	6.2~100	2.5~41	2~350	700~3000	0.25~1	175
SMAJ4735AQ~SMAJ4764AQ	SMA	1.00	0.005~0.01	3~76	6.2~100	2.5~41	2~350	700~3000	0.25~1	175
SMAJ5921BQ~SMAJ5956BQ	SMA	1.50	0.0005~0.01	5.2~152	6.8~200	1.9~55.1	2.5~1200	200~8000	0.25~1	175
SMA2Z6.8AQ~SMA2Z220AQ	SMA	2.00	0.0005~0.01	4~167	6.8~220	2~73.5	2~2000	700~9990	0.25~1	175
3SMAJ5921BQ~3SMAJ5956BQ	SMA	3.00	0.001~0.005	5.2~152	6.8~200	1.9~55.1	2.5~1200	200~8000	0.25~1	150
3SMBJ5921BQ~3SMBJ5958BQ	SMB	3.00	0.0005~0.01	4~178	6.8~220	3.3~110	2~1600	700~8500	0.25~1	175

Automotive Switching Diodes

Automotive Grade

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time	Power Dissipation	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (µs)	P_D (mW)	T_J(°C)
1N4148WHE3	SOD-123	0.15	100	0.715	50	0.001	75	0.004	400	150
1N4448WHE3	SOD-123	0.25	100	1	0.025	0.1	20	0.004	500	150
BAS16WHE3	SOD-123	0.1	75	1.25	1	0.15	75	0.006	350	150
BAV116WHE3	SOD-123	0.215	85	1.25	0.005	0.15	75	3	250	150
BAV19WHE3	SOD-123	0.25	120	1	0.1	0.1	100	0.05	410	150
BAV20WHE3	SOD-123	0.25	200	1	0.1	0.1	150	0.05	410	150
BAV21WHE3	SOD-123	0.25	250	1	0.1	0.1	200	0.05	410	150
1N4148WXHE3	SOD-323	0.15	100	1	1	0.05	75	0.004	200	150
1N4448WXHE3	SOD-323	0.25	75	1	2.5	0.1	75	0.004	200	150
1SS355HE3	SOD-323	0.15	90	1.2	0.1	0.1	80	0.004		150
BAS16WXHE3	SOD-323	0.1	75	1.25	1	0.15	75	0.006	350	150
BAS316HE3	SOD-323	0.25	100	0.715	1	0.001	75	0.004	400	150
BAS416HE3	SOD-323	0.2	100	1	0.005	0.01	75	3	250	150
BAV19WSHE3	SOD-323	0.2	120	1.25	0.1	0.2	100	0.05	250	150
BAV20WSHE3	SOD-323	0.2	200	1.25	0.1	0.2	150	0.05	250	150
BAV21WSHE3	SOD-323	0.2	250	1.25	0.1	0.2	200	0.05	250	150
1N4148XHE3	SOD-523	0.15	100	1.25	1	0.15	75	0.004	200	150
BAS21XHE3	SOD-523	0.2	250	1.1	0.15	0.1	250	0.05	150	150
BAS516HE3	SOD-523	0.25	100	0.715	0.03	0.001	25	0.004	150	150
BAS716HE3	SOD-523	0.2	75	1	0.005	0.01	75	3	200	150
BAS16HE3	SOT-23	0.215	100	1.25	1	0.1	75	0.004	350	150
BAS19HE3	SOT-23	0.2	120	1.25	0.1	0.225	120	0.05	350	150
BAS20HE3	SOT-23	0.2	200	1.25	0.1	0.225	200	0.05	350	150
BAS21HE3	SOT-23	0.2	250	1.25	0.1	0.225	250	0.05	350	150
BAV170HE3	SOT-23	0.215	100	0.9	0.005	0.001	75	3	250	150
BAV199HE3	SOT-23	0.215	85	1.25	0.005	0.15	75	3	250	150
BAV23AHE3	SOT-23	0.225	200	1.25	0.1	0.2	250	0.05	350	150
BAV23CHE3	SOT-23	0.225	200	1.25	0.1	0.2	250	0.05	350	150
BAV23SHE3	SOT-23	0.225	200	1.25	0.1	0.2	250	0.05	350	150
BAV70HE3	SOT-23	0.215	100	0.855	1	0.01	75	0.004	350	150
BAV99HE3	SOT-23	0.215	100	0.855	2.5	0.01	75	0.004	350	150
BAW56HE3	SOT-23	0.25	75	0.855	2.5	0.01	75	0.004	350	150
MMBD4148HE3	SOT-23	0.2	100	0.855	0.025	0.01	20	0.004	350	150
BAS21TUHE3	SOT23-6L	0.225	250	1.25	0.1	0.2	250	0.05	350	150
BAS16WTHE3	SOT-323	0.15	75	1	1	0.05	75	0.004	200	150
BAS19WTHE3	SOT-323	0.2	100	1	100	0.1	100	0.05	200	150
BAS20WTHE3	SOT-323	0.2	150	1	100	0.1	150	0.05	200	150
BAS21WTHE3	SOT-323	0.2	200	1	100	0.1	200	0.05	200	150
BAV199WTHE3	SOT-323	0.5	85	1.25	0.005	0.15	75	3	200	150
BAV23SWTHE3	SOT-323	0.225	250	1	0.1	0.1	250	0.05	200	150
BAV70WTHE3	SOT-323	0.15	100	1.25	2	0.15	75	0.004	200	150
BAV99WTHE3	SOT-323	0.15	100	1	2.5	0.05	75	0.004	200	150
BAW56WTHE3	SOT-323	0.15	75	1	2.5	0.05	75	0.004	200	150
MMBD4148WTHE3	SOT-323	0.15	75	1	1	0.05	75	0.004	200	150

Diodes

Automotive Switching Diodes

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time	Power Dissipation	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)	P_D (mW)	T_J(°C)
MMBD4448HSDWHE3	SOT-363	0.25	80	1	0.1	0.05	70	0.004	200	150
MMBD4448HTWHE3	SOT-363	0.25	80	1	0.1	0.05	70	0.004	200	150

Automotive Standard Recovery Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)	T_J(°C)
GS1GFLQ	DO-221AC	1	400	40	1.1	5	1	400	2	175
GS1JFLQ	DO-221AC	1	600	40	1.1	5	1	600	2	175
GS1MFLHE3	DO-221AC	1	1000	40	1.1	5	1	1000	-	150
GS2GFLQ	DO-221AC	2	400	50	1.15	5	2	400	2.5	175
GS2JFLQ	DO-221AC	2	600	50	1.15	5	2	600	2.5	175
GS2MFLHE3	DO-221AC	2	1000	50	1.15	5	2	1000	-	150
GS1AHE3-L	SMA	1	50	40	1	1	1	50	2	150
GS1DHE3-L	SMA	1	200	40	1	1	1	200	2	150
GS1GHE3-L	SMA	1	400	40	1	1	1	400	2	150
GS1JHE3-L	SMA	1	600	40	1	1	1	600	2	150
GS1MHE3-L	SMA	1	1000	40	1	1	1	1000	2	150
GS1GQ-L	SMA	1	400	40	1.1	5	1	400	2	175
GS1JQ-L	SMA	1	600	40	1.1	5	1	600	2	175
GS2DHE3-L	SMA	2	200	50	1.1	5	2	200	4	150
GS2GHE3-L	SMA	2	400	50	1.1	5	2	400	4	150
GS2JHE3-L	SMA	2	600	50	1.1	5	2	600	4	150
GS2MHE3-L	SMA	2	1000	50	1.1	5	2	1000	4	150
GS2GQ-L	SMA	2	400	50	1.1	5	2	400	2.5	175
GS2JQ-L	SMA	2	600	50	1.1	5	2	600	2.5	175
S2GHE3-L	SMB	2	400	50	1.1	5	2	400	-	150
S2JHE3-L	SMB	2	600	50	1.1	5	2	600	-	150
S2MHE3-L	SMB	2	1000	50	1.1	5	2	1000	-	150
S2GQ-L	SMB	2	400	50	1.1	5	2	400	2.5	175
S2JQ-L	SMB	2	600	50	1.1	5	2	600	2.5	175
S3GBHE3	SMB	3	400	100	1.15	10	3	400	-	150
S3JBHE3	SMB	3	600	100	1.15	10	3	600	-	150
S3MBHE3	SMB	3	1000	100	1.15	10	3	1000	-	150
S3GBQ	SMB	3	400	100	1.1	5	3	400	3	175
S3JBQ	SMB	3	600	100	1.1	5	3	600	3	175
S3BHE3	SMC	3	100	100	1.2	10	3	100	-	150
S3GHE3	SMC	3	400	100	1.2	10	3	400	-	150
S3JHE3	SMC	3	600	100	1.2	10	3	600	-	150

Automotive Standard Recovery Rectifiers

Automotive Grade

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)	T_J(°C)
S3MHE3	SMC	3	1000	100	1.2	10	3	1000	-	150
S3GQ	SMC	3	400	100	1.1	5	3	400	3	175
S3JQ	SMC	3	600	100	1.1	5	3	600	3	175
S5GLHE3	SMC	5	400	100	1.15	5	5	400	-	150
S5JLHE3	SMC	5	600	100	1.15	5	5	600	-	150
S5MLHE3	SMC	5	1000	100	1.15	5	5	1000	-	150
S5GLQ	SMC	5	400	120	1.1	5	5	400	3.5	175
S5JLQ	SMC	5	600	120	1.1	5	5	600	3.5	175
S8GLHE3	SMC	8	400	200	1.05	5	8	400	-	150
S8JLHE3	SMC	8	600	200	1.05	5	8	600	-	150
S8MLHE3	SMC	8	1000	200	1.05	5	8	1000	-	150
S8GLQ	SMC	8	400	200	1.1	5	8	400	4	175
S8JLQ	SMC	8	600	200	1.1	5	8	600	4	175
S10DLHE3	SMC	10	200	200	1	5	10	200	-	150
SM4002PLHE3	SOD-123FL	1	100	30	1.1	1	1	100	3	150
SM4003PLHE3	SOD-123FL	1	200	30	1.1	1	1	200	3	150
SM4004PLHE3	SOD-123FL	1	400	30	1.1	1	1	400	3	150
SM4004PLQ	SOD-123FL	1	400	30	1.1	5	1	400	1.7	175
SM4005PLQ	SOD-123FL	1	600	30	1.1	5	1	600	1.7	175
SM4007PLHE3	SOD-123FL	1	1000	30	1.1	1	1	1000	3	150
GS1JPBQ	SOD-323HE-B	1	600	18	1.15	5	1	600	-	175

Diodes

Automotive Grade

Automotive Super Fast Recovery Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)	T_J(°C)
ES1DHE3-L	SMA	1	200	30	0.95	5	1	200	0.035	150
ES1GHE3-L	SMA	1	400	30	1.3	5	1	400	0.035	150
ES1JHE3-L	SMA	1	600	30	1.7	5	1	600	0.035	150
UG1DHE3	SMA	1	200	30	0.92	2	1	200	0.025	150
US1MHE3	SMA	1	1000	30	1.7	5	1	1000	0.075	150
MURS1JQ	SMA	1	600	30	1.3	5	1	600	0.05	175
ES2DHE3-L	SMA	2	200	50	0.95	5	2	200	0.035	150
ES2GHE3-L	SMA	2	400	50	1.3	5	2	400	0.035	150
ES2JHE3-L	SMA	2	600	50	1.7	5	2	600	0.035	150
UG2DAHE3	SMA	2	200	50	0.92	2	2	200	0.025	150
US2MAHE3	SMA	2	1000	50	1.7	5	2	1000	0.075	150
ER2DHE3-L	SMB	2	200	50	0.95	5	2	200	0.035	150
ER2GHE3-L	SMB	2	400	50	1.3	5	2	400	0.035	150
ER2JHE3-L	SMB	2	600	50	1.7	5	2	600	0.035	150
MURS2DHE3	SMB	2	200	50	0.92	2	2	200	0.025	150
ER3DBHE3	SMB	3	200	100	0.95	5	3	200	0.035	150
ER3GBHE3	SMB	3	400	100	1.3	5	3	400	0.035	150
ER3JBHE3	SMB	3	600	100	1.7	5	3	600	0.035	150
ER3DHE3	SMC	3	200	100	0.95	5	3	200	0.035	150
ER3GHE3	SMC	3	400	100	1.3	5	3	400	0.035	150
ER3JHE3	SMC	3	600	100	1.7	5	3	600	0.035	150
UG1DPLHE3	SOD-123FL	1	200	30	0.92	2	1	200	0.025	150
SFM14PLHE3	SOD-123FL	1	200	30	1	5	1	200	0.035	150
SFM16PLHE3	SOD-123FL	1	400	30	1.3	5	1	400	0.035	150
SFM18PLHE3	SOD-123FL	1	600	30	1.7	5	1	600	0.035	150
UFM17PLHE3	SOD-123FL	1	1000	30	1.7	5	1	1000	0.075	150

Automotive Small Signal Schottky Diodes

Automotive Grade

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_j(°C)
MBR140P1Q	DFN1608-2L	1	40	0.6	20	1	40	150
SD101AWHE3	SOD-123	0.015	60	0.41	0.2	0.001	50	125
SD101BWHE3	SOD-123	0.015	50	0.4	0.2	0.001	40	125
SD101CWHE3	SOD-123	0.015	40	0.39	0.2	0.001	30	125
BAT46WHE3	SOD-123	0.15	100	1	2	0.25	75	125
BAT54WHE3	SOD-123	0.2	30	1	2	0.1	25	125
BAT54WHQ	SOD-123	0.2	30	1	2	0.1	25	150
SD103AWHE3	SOD-123	0.35	40	0.37	5	0.02	30	125
SD103BWHE3	SOD-123	0.35	30	0.37	5	0.02	20	125
SD103CWHE3	SOD-123	0.35	20	0.37	5	0.02	10	125
B0530WHE3	SOD-123	0.5	30	0.55	100	0.5	30	125
B0540WHE3	SOD-123	0.5	40	0.55	80	0.5	40	150
B5817WHE3	SOD-123	1	20	0.45	200	1	20	125
B5818WHE3	SOD-123	1	30	0.55	40	1	30	125
B5819WHE3	SOD-123	1	40	0.6	40	1	40	125
SD101AWSHE3	SOD-323	0.015	60	0.41	0.2	0.001	50	125
SD101BWSHE3	SOD-323	0.015	50	0.4	0.2	0.001	40	125
SD101CWSHE3	SOD-323	0.015	40	0.39	0.2	0.001	30	125
RB751V-40HE3	SOD-323	0.03	40	0.37	0.5	0.001	30	125
BAS70WXHE3	SOD-323	0.07	70	1	0.2	0.015	50	150
BAT46WSHE3	SOD-323	0.15	100	1	0.5	0.25	10	125
BAS40WXHE3	SOD-323	0.2	40	1	0.5	0.04	30	150
BAT54WSHE3	SOD-323	0.2	30	1	2	0.1	25	125
BAT54WSHQ	SOD-323	0.2	30	1	2	0.1	25	150
SD103AWSHE3	SOD-323	0.35	40	0.37	5	0.02	30	125
SD103BWSHE3	SOD-323	0.35	30	0.37	5	0.02	20	125
SD103CWSHE3	SOD-323	0.35	20	0.37	5	0.02	10	125
B0530WSHE3	SOD-323	0.5	30	0.55	300	0.5	30	125
B0540WSHE3	SOD-323	0.5	40	0.55	80	0.5	40	125
B0540WSHQ	SOD-323	0.5	40	0.55	80	0.5	20	150
RB551V-30HE3	SOD-323	0.5	30	0.47	100	0.5	20	125
B5817WSHE3	SOD-323	1	20	0.45	200	1	20	125
B5818WSHE3	SOD-323	1	30	0.55	40	1	30	125
B5819WSHE3	SOD-323	1	40	0.6	40	1	40	125
RB751S-40HE3	SOD-523	0.03	40	0.37	0.5	0.001	30	150
BAT54WXHE3	SOD-523	0.2	30	1	2	0.1	25	125
RB520S-30HE3	SOD-523	0.2	30	0.6	1	0.2	10	125
RB521S-30HE3	SOD-523	0.2	30	0.5	30	0.2	10	125
RB521S-40HE3	SOD-523	0.2	40	0.59	90	0.2	40	125
RB520S-40HE3	SOD-523	0.25	40	0.55	1	0.1	10	125
BAS70-04HE3	SOT-23	0.07	70	1	0.2	0.015	50	125
BAS70-05HE3	SOT-23	0.07	70	1	0.2	0.015	50	125
BAS70-06HE3	SOT-23	0.07	70	1	0.2	0.015	50	125
BAS70-04HQ	SOT-23	0.07	70	1	0.2	0.015	50	150

Diodes

Automotive Grade

Automotive Small Signal Schottky Diodes

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_j(°C)
BAS70-05HQ	SOT-23	0.07	70	1	0.2	0.015	50	150
BAS70-06HQ	SOT-23	0.07	70	1	0.2	0.015	50	150
BAS70HE3	SOT-23	0.07	70	1	0.2	0.015	50	125
BAS70HQ	SOT-23	0.07	70	1	0.2	0.015	50	150
BAS40-04HQ	SOT-23	0.12	40	1	0.2	0.04	30	150
BAS40-05HQ	SOT-23	0.12	40	1	0.2	0.04	30	150
BAS40-06HQ	SOT-23	0.12	40	1	0.2	0.04	30	150
BAS40HQ	SOT-23	0.12	40	1	0.2	0.04	30	150
BAS40-04HE3	SOT-23	0.2	40	1	0.2	0.04	30	150
BAS40-05HE3	SOT-23	0.2	40	1	0.2	0.04	30	150
BAS40-06HE3	SOT-23	0.2	40	1	0.2	0.04	30	150
BAS40HE3	SOT-23	0.2	40	1	0.2	0.04	30	150
BAT54AHE3	SOT-23	0.2	30	0.4	2	0.01	25	125
BAT54CHE3	SOT-23	0.2	30	0.4	2	0.01	25	125
BAT54HE3	SOT-23	0.2	30	0.4	2	0.01	25	125
BAT54SHE3	SOT-23	0.2	30	0.4	2	0.01	25	125
BAT54AHQ	SOT-23	0.2	30	1	2	0.1	25	150
BAT54CHQ	SOT-23	0.2	30	1	2	0.1	25	150
BAT54HQ	SOT-23	0.2	30	1	2	0.1	25	150
BAT54SHQ	SOT-23	0.2	30	1	2	0.1	25	150
BAT64-04HE3	SOT-23	0.225	40	0.43	2	0.01	25	150
BAT64-05HE3	SOT-23	0.225	40	0.43	2	0.01	25	150
BAT64-06HE3	SOT-23	0.225	40	0.43	2	0.01	25	150
BAS70WT-04HE3	SOT-323	0.07	70	1	0.2	0.015	50	125
BAS70WT-05HE3	SOT-323	0.07	70	1	0.2	0.015	50	125
BAS70WT-06HE3	SOT-323	0.07	70	1	0.2	0.015	50	125
BAS70WT-04HQ	SOT-323	0.07	70	1	0.2	0.015	50	150
BAS70WT-05HQ	SOT-323	0.07	70	1	0.2	0.015	50	150
BAS70WT-06HQ	SOT-323	0.07	70	1	0.2	0.015	50	150
BAS70WTHE3	SOT-323	0.07	70	1	0.2	0.015	50	125
BAS70WTHQ	SOT-323	0.07	70	1	0.2	0.015	50	150
BAS40WTHE3	SOT-323	0.12	40	1	0.2	0.04	30	150
BAS40WT-04HE3	SOT-323	0.12	40	1	0.2	0.04	30	150
BAS40WT-05HE3	SOT-323	0.12	40	1	0.2	0.04	30	150
BAS40WT-06HE3	SOT-323	0.12	40	1	0.2	0.04	30	150
BAS40WTHQ	SOT-323	0.12	40	1	0.2	0.04	30	150
BAS40WT-04HQ	SOT-323	0.12	40	1	0.2	0.04	30	150
BAS40WT-05HQ	SOT-323	0.12	40	1	0.2	0.04	30	150
BAS40WT-06HQ	SOT-323	0.12	40	1	0.2	0.04	30	150
BAT54AWTHE3	SOT-323	0.2	30	0.8	2	0.1	25	125
BAT54CWTHE3	SOT-323	0.2	30	0.8	2	0.1	25	125
BAT54SWTHE3	SOT-323	0.2	30	0.8	2	0.1	25	125
BAT54WTHE3	SOT-323	0.2	30	0.8	2	0.1	25	125
BAT54AWTHQ	SOT-323	0.2	30	1	2	0.1	25	150

Automotive Small Signal Schottky Diodes

Automotive Grade

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_j(°C)
BAT54CWTHQ	SOT-323	0.2	30	1	2	0.1	25	150
BAT54SWTHQ	SOT-323	0.2	30	1	2	0.1	25	150
BAT54WTHQ	SOT-323	0.2	30	1	2	0.1	25	150

Automotive Schottky Barrier Rectifiers

Automotive Grade

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_j(°C)
MBRP660CTQ	DFN5060	3	60	80	0.7	100	3	60	175
MBRP6100CTQ	DFN5060	3	100	80	0.83	5	3	100	175
MBRP645CTQ	DFN5060	6	45	80	0.6	100	3	45	175
MBRP6200CTQ	DFN5060	6	200	80	0.9	5	3	200	175
MBRP1045Q	DFN5060	10	45	150	0.6	100	10	45	175
MBRP1060Q	DFN5060	10	60	150	0.76	100	10	60	175
MBRP10100Q	DFN5060	10	100	150	0.85	10	10	100	175
MBRP10200Q	DFN5060	10	200	150	0.91	5	10	200	175
MBRP1545Q	DFN5060	15	45	200	0.6	100	15	45	175
MBRP1560Q	DFN5060	15	60	200	0.8	100	15	60	175
MBRP15100Q	DFN5060	15	100	200	0.85	5	15	100	175
MBRP15200Q	DFN5060	15	200	200	0.93	5	15	200	175
MBRP2045Q	DFN5060	20	45	220	0.65	500	20	45	175
MBRP2060Q	DFN5060	20	60	220	0.8	200	20	60	175
MBRP20100Q	DFN5060	20	100	220	0.9	10	20	100	175
SS14FLQ	DO-221AC	1	40	40	0.5	100	1	40	150
SS16FLQ	DO-221AC	1	60	40	0.7	50	1	60	150
SS110FLQ	DO-221AC	1	100	40	0.77	1	1	100	175
SS120FLQ	DO-221AC	1	200	40	0.9	1	1	200	175
SS24FLQ	DO-221AC	2	40	75	0.55	100	2	40	150
SS26FLQ	DO-221AC	2	60	75	0.7	100	2	60	150
SS210FLQ	DO-221AC	2	100	75	0.8	5	2	100	175
SS220FLQ	DO-221AC	2	200	75	0.9	5	2	200	175
SK34AFLQ	DO-221AC	3	40	80	0.5	100	3	40	150
SK36AFLQ	DO-221AC	3	60	80	0.7	100	3	60	150
SK310AFLQ	DO-221AC	3	100	80	0.8	5	3	100	175
SK320AFLQ	DO-221AC	3	200	80	0.9	5	3	200	175
SK54AFLQ	DO-221AC	5	40	120	0.6	100	5	40	150
SK56AFLQ	DO-221AC	5	60	120	0.7	100	5	60	150
SK510AFLQ	DO-221AC	5	100	120	0.8	5	5	100	175
SK520AFLQ	DO-221AC	5	200	120	0.9	5	5	200	175
SS12HE3-L	SMA	1	20	50	0.5	100	1	20	125

Diodes

Automotive Grade

Automotive Schottky Barrier Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)
SS13HE3-L	SMA	1	30	50	0.5	100	1	30	125
SS14HE3-L	SMA	1	40	50	0.5	100	1	40	125
SS16HE3-L	SMA	1	60	50	0.7	100	1	60	150
SS110HE3-L	SMA	1	100	50	0.85	50	1	100	150
SS1150HE3-L	SMA	1	150	30	0.9	10	1	150	150
SS1200HE3-L	SMA	1	200	30	0.9	10	1	200	150
SS14Q-L	SMA	1	40	40	0.5	100	1	40	150
SS16Q-L	SMA	1	60	40	0.7	50	1	60	150
SS110Q-L	SMA	1	100	40	0.77	1	1	100	175
SS120Q-L	SMA	1	200	40	0.9	1	1	200	175
SS24HE3-L	SMA	2	40	50	0.55	100	2	40	150
SS26HE3-L	SMA	2	60	50	0.7	100	2	60	150
SS210HE3-L	SMA	2	100	50	0.85	100	2	100	150
SS220HE3-L	SMA	2	200	75	0.9	5	2	200	175
SS24Q-L	SMA	2	40	75	0.55	100	2	40	150
SS26Q-L	SMA	2	60	75	0.7	100	2	60	150
SS210Q-L	SMA	2	100	75	0.8	5	2	100	175
SS220Q-L	SMA	2	200	75	0.9	5	2	200	175
SK34AHE3-L	SMA	3	40	80	0.5	100	3	40	150
SK34AQ-L	SMA	3	40	80	0.5	100	3	40	150
SK36AHE3-L	SMA	3	60	80	0.7	100	3	60	150
SK310AHE3-L	SMA	3	100	80	0.8	1	3	100	175
SK3150AHE3-L	SMA	3	150	80	0.9	1	3	150	175
SK3200AHE3-L	SMA	3	200	80	0.9	1	3	200	175
SK36AQ-L	SMA	3	60	80	0.7	100	3	60	150
SK310AQ-L	SMA	3	100	80	0.8	5	3	100	175
SK320AQ-L	SMA	3	200	80	0.9	5	3	100	175
SK54AHE3-L	SMA	5	40	100	0.55	100	5	40	150
SK56AHE3-L	SMA	5	60	100	0.75	100	5	60	150
SK510AHE3-L	SMA	5	100	100	0.85	100	5	100	150
SK5200AHE3-L	SMA	5	200	120	0.9	1	5	200	175
SK54AQ-L	SMA	5	40	120	0.6	100	5	40	150
SK56AQ-L	SMA	5	60	120	0.7	100	5	60	150
SK510AQ-L	SMA	5	100	120	0.8	5	5	100	175
SK520AQ-L	SMA	5	200	120	0.9	5	5	200	175
SK23HE3-L	SMB	2	30	50	0.5	100	2	30	150
SK24HE3-L	SMB	2	40	50	0.5	100	2	40	150
SK26HE3-L	SMB	2	60	50	0.7	100	2	60	150
SK210HE3-L	SMB	2	100	50	0.85	10	2	100	150
SK220HE3-L	SMB	2	200	75	0.9	5	2	200	175
SK24Q-L	SMB	2	40	75	0.55	100	2	40	150
SK26Q-L	SMB	2	60	75	0.7	100	2	60	150
SK210Q-L	SMB	2	100	75	0.8	5	2	100	175
SK220Q-L	SMB	2	200	75	0.9	5	2	200	175

Automotive Schottky Barrier Rectifiers

Automotive Grade

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)
SK34BHE3-L	SMB	3	40	100	0.5	100	3	40	150
SK36BHE3-L	SMB	3	60	100	0.75	100	3	60	150
SK310BHE3-L	SMB	3	100	100	0.85	10	3	100	150
SK3150BHE3-L	SMB	3	150	80	0.86	10	3	150	150
SK3200BHE3-L	SMB	3	200	100	0.86	2	3	200	150
SK34BQ-L	SMB	3	40	80	0.5	100	3	40	150
SK36BQ-L	SMB	3	60	80	0.7	100	3	40	150
SK310BQ-L	SMB	3	100	80	0.8	5	3	100	175
SK320BQ-L	SMB	3	200	80	0.9	5	3	200	175
SK54BHE3-L	SMB	5	40	100	0.55	100	5	40	150
SK56BHE3-L	SMB	5	60	100	0.75	100	5	60	150
SK510BHE3-L	SMB	5	100	100	0.85	50	5	100	150
SK520BHE3-L	SMB	5	200	120	0.9	10	5	200	150
SK54BQ-L	SMB	5	40	120	0.6	100	5	40	150
SK56BQ-L	SMB	5	60	120	0.7	100	5	60	150
SK510BQ-L	SMB	5	100	120	0.8	5	5	100	175
SK520BQ-L	SMB	5	200	120	0.9	5	5	200	175
SK34HE3	SMC	3	40	100	0.5	100	3	40	150
SK36HE3	SMC	3	60	100	0.75	100	3	60	150
SK310HE3	SMC	3	100	100	0.85	100	3	100	150
SK3200HE3	SMC	3	200	80	0.9	1	3	200	175
SK34Q	SMC	3	40	80	0.5	100	3	40	150
SK36Q	SMC	3	60	80	0.7	100	3	60	150
SK310Q	SMC	3	100	80	0.8	5	3	100	175
SK320Q	SMC	3	200	80	0.9	5	3	200	175
SK53LHE3	SMC	5	30	100	0.55	100	5	30	150
SK54LHE3	SMC	5	40	100	0.55	100	5	40	150
SK56LHE3	SMC	5	60	100	0.75	100	5	60	150
SK510LHE3	SMC	5	100	100	0.85	100	5	100	150
SK5150LHE3	SMC	5	150	150	0.9	10	5	150	150
SK5200LHE3	SMC	5	200	150	0.9	10	5	200	150
SK54LQ	SMC	5	40	120	0.6	100	5	40	150
SK56LQ	SMC	5	60	120	0.7	100	5	60	150
SK510LQ	SMC	5	100	120	0.8	5	5	100	175
SK520LQ	SMC	5	200	120	0.9	5	5	200	175
SK84LHE3	SMC	8	40	200	0.65	100	8	40	150
SK86LHE3	SMC	8	60	200	0.65	100	8	60	150
SK810LHE3	SMC	8	100	200	0.8	100	8	100	150
SK820LHE3	SMC	8	200	150	0.9	10	8	200	175
SK84LQ	SMC	8	40	150	0.55	100	8	40	150
SK86LQ	SMC	8	60	150	0.7	100	8	60	150
SK810LQ	SMC	8	100	150	0.85	5	8	100	175
SK820LQ	SMC	8	200	150	0.9	5	8	200	175
SM5817PLHE3	SOD-123FL	1	20	30	0.45	50	1	20	125

Automotive Grade

Automotive Schottky Barrier Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)
SM5818PLHE3	SOD-123FL	1	30	30	0.53	50	1	30	125
SM5819PLHE3	SOD-123FL	1	40	30	0.53	50	1	40	125
SMD16PLHE3	SOD-123FL	1	60	30	0.7	100	1	60	125
SMD18PLHE3	SOD-123FL	1	80	30	0.85	100	1	80	125
SMD110PLHE3	SOD-123FL	1	100	30	0.85	5	1	100	150
SMD1150PLHE3	SOD-123FL	1	150	30	0.85	10	1	150	150
SMD1200PLHE3	SOD-123FL	1	200	30	0.95	10	1	200	150
SMD14PLQ	SOD-123FL	1	40	40	0.5	100	1	40	150
SMD16PLQ	SOD-123FL	1	60	40	0.7	50	1	60	150
SMD110PLQ	SOD-123FL	1	100	40	0.77	1	1	100	175
SMD120PLQ	SOD-123FL	1	200	40	0.9	1	1	200	175
SMD22PLHE3	SOD-123FL	2	20	50	0.55	100	2	20	150
SMD24PLHE3	SOD-123FL	2	40	50	0.55	100	2	40	150
SMD26PLHE3	SOD-123FL	2	60	50	0.7	100	2	60	150
SMD28PLHE3	SOD-123FL	2	80	50	0.85	10	2	80	175
SMD210PLHE3	SOD-123FL	2	100	50	0.85	10	2	100	175
SMD220PLHE3	SOD-123FL	2	200	50	0.9	5	2	200	175
SMD24PLQ	SOD-123FL	2	40	50	0.55	100	2	40	150
SMD26PLQ	SOD-123FL	2	60	50	0.7	100	2	60	150
SMD210PLQ	SOD-123FL	2	100	50	0.8	5	2	100	175
SMD220PLQ	SOD-123FL	2	200	50	0.9	5	2	200	175
SMD34PLQ	SOD-123FL	3	40	80	0.5	100	3	40	150
SMD36PLQ	SOD-123FL	3	60	80	0.7	100	3	60	150
SMD310PLQ	SOD-123FL	3	100	80	0.8	5	3	100	175
SMD320PLQ	SOD-123FL	3	200	80	0.9	5	3	200	175
SMD36HE1Q	SOD-123HE1	3	60	80	0.7	100	3	60	150
SMD310HE1Q	SOD-123HE1	3	100	80	0.8	5	3	100	175
SMD14PBQ	SOD-323HE-B	1	40	30	0.55	50	1	40	150
SMD16PBQ	SOD-323HE-B	1	60	30	0.7	50	1	60	150
SMD110PBQ	SOD-323HE-B	1	100	30	0.83	1	1	100	175
SMD115PBQ	SOD-323HE-B	1	150	30	0.9	1	1	150	175
MBR5U60SHE3	TO-277	5	60	200	0.65	100	5	60	150
MBR5U100HHE3	TO-277	5	100	240	0.8	10	5	100	175
MBR5U60SQ	TO-277	5	60	200	0.64	100	5	60	150
MBR5U100HQ	TO-277	5	100	200	0.8	10	5	100	175
MBR10U100HHE3	TO-277	10	100	240	0.85	10	10	100	175
MBR10U200HE3	TO-277	10	200	200	0.95	100	10	200	150
MBR10U100HQ	TO-277	10	100	200	0.85	10	10	100	175
MBR10U200Q	TO-277	10	200	200	0.9	1	10	200	175
MBR15U45HE3	TO-277	15	45	300	0.54	100	15	45	150
MBR15U60HE3	TO-277	15	60	300	0.68	100	15	60	150
MBR15U45Q	TO-277	15	45	300	0.6	100	15	45	150
MBR15U60Q	TO-277	15	60	300	0.72	100	15	60	150
MBR15U100Q	TO-277	15	100	300	0.88	10	15	100	175

Automotive Schottky Barrier Rectifiers

Automotive Grade

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)
MBRD1045CTQ	DPAK	10	45	120	0.58	100	5	45	150
MBRD1060CTQ	DPAK	10	60	120	0.72	100	5	60	150
MBRD10100CTQ	DPAK	10	100	120	0.8	10	5	100	175
MBRD10200CTQ	DPAK	10	200	120	0.9	10	5	200	175
MBRD2045CTQ	DPAK	20	45	120	0.63	100	10	45	150
MBRD2060CTQ	DPAK	20	60	120	0.8	100	10	60	150
MBRD20100CTQ	DPAK	20	100	130	0.85	10	10	100	175
MBRD20200CTQ	DPAK	20	200	120	0.92	10	10	200	175
MBRB1060CTQ	D2-PAK	10	60	150	0.72	100	5	60	150
MBRB10100CTQ	D2-PAK	10	100	150	0.8	10	5	100	175
MBRB10200CTQ	D2-PAK	10	200	150	0.9	10	5	200	175
MBRB2060CTQ	D2-PAK	20	60	200	0.72	100	10	60	150
MBRB20100CTQ	D2-PAK	20	100	200	0.82	10	10	100	175
MBRB20200CTQ	D2-PAK	20	200	200	0.9	10	10	200	175
MBRB3045CTQ	D2-PAK	30	45	200	0.65	100	15	45	150
MBRB3060CTQ	D2-PAK	30	60	250	0.72	100	15	60	150
MBRB30100CTQ	D2-PAK	30	100	250	0.82	10	15	100	175
MBRB30200CTQ	D2-PAK	30	200	250	0.9	10	15	200	175
MBRB4040CTQ	D2-PAK	40	40	300	0.65	100	20	40	150
MBRB6045CTQ	D2-PAK	60	45	300	0.75	50	30	45	150
MBRB4060CTQ	D2-PAK	40	60	300	0.73	100	20	60	150
MBRB40100CTQ	D2-PAK	40	100	300	0.85	10	20	100	175
MBRB40200CTQ	D2-PAK	40	200	300	0.93	10	20	200	175

Diodes

Zener Diodes

Part Number	Package	Power Rating	Maximum Reverse Leakage Current		Nominal Zener Voltage		Maximum Zener Impedance			Operating Junction Temperature
		P_D (W)	I_R(mA)	V_R (V)	V_Z(V)	I_{ZT}(mA)	Z_{ZT} (Ω)	Z_{ZK}(Ω)	I_{ZK} (mA)	T_J(°C)
BZT52B3V6L3P~BZT52B36L3P	DFN1006-2L	0.15	0.0001~0.015	0.8~27	3.6~36	5	7~95	80~600	1	150
BZX584B2V4~BZX584B39	SOD-523	0.15	0.0001~0.05	1~27.3	2.4~39	2~5	10~130	80~600	0.5~1	150
BZX584C2V4~BZX584C39	SOD-523	0.15	0.0001~0.05	1~27.3	2.4~39	2~5	10~130	80~600	0.5~1	150
AZ23C2V7W~AZ23C39W	SOT-323	0.20	0.0001	0.8~29	2.7~39	5	7~95	50~500	1	150
AZ23C5V6L	SOT-23	0.20	0.0001	1	5.6	5	30	400	1	150
BZT52B3V0JS~BZT52B75JS	SOD-323	0.20	0.000045~0.009	1~56	3~75	2.5~5	10~250	80~1000	0.5~1	150
BZT52B2V4T~BZT52B39T	SOD-523	0.20	0.0001~0.05	1~27.3	2.4~39	2~5	10~130	80~600	0.5~1	150
BZT52C2V4T~BZT52C39T	SOD-523	0.20	0.0001~0.05	1~27.3	2.4~39	2~5	10~130	80~600	0.5~1	150
BZT52C2V0S~BZT52C75S	SOD-323	0.20	0.00005~0.09	1~52.5	2~75	2~5	10~255	80~750	0.5~1	150
BZX584C5V6L	SOD-523	0.20	0.0001	1	5.6	5	30	400	1	150
BZX84C2V4W~BZX84C39W	SOT-323	0.20	0.0001~0.05	1~27.3	2.4~39	5	10~130	80~600	1	150
MMBZ5221BW~MMBZ5259BW	SOT-323	0.20	0.0001~0.1	1~30	2.4~39	3.2~20	5~80	500~2000	0.25	150
MMXZ5223B~MMXZ5259B	SOD-323	0.20	0.0001~0.075	1~30	2.7~39	3.2~20	5~80	500~2000	0.25	150
MMXZ5229C~MMXZ5262C	SOD-323	0.20	0.0001~0.005	1~39	4.3~51	2.5~20	5~125	500~2000	0.25	150
BZT52C2V4L3P~BZT52C39L3P	DFN1006-2L	0.25	0.0001~0.05	1~27.3	2.4~39	2~5	10~130	80~600	0.5~1	150
AZ23B2V4~AZ23B47	SOT-23	0.30	0.0001~0.045	0.8~35	2.4~47	2~5	7~110	80~600	1	150
AZ23C2V7~AZ23C51	SOT-23	0.30	0.0001	0.8~38	2.7~51	5	7~100	50~750	1	150
DZ23C2V4~DZ23C75	SOT-23	0.30	0.0001~0.1	0.8~56	2.4~75	5	7~250	80~1000	1	150
BZX84B2V4~BZX84B75	SOT-23	0.35	0.00005~0.05	1~52.5	2.4~75	2~5	10~255	80~750	0.5~1	150
BZX84C2V4~BZX84C75	SOT-23	0.35	0.00005~0.05	1~52.5	2.4~75	2~5	10~255	80~750	0.5~1	150
MMBZ5221B~MMBZ5259B	SOT-23	0.35	0.0001~0.1	1~30	2.4~39	3.2~20	5~80	500~2000	0.25	150
MMBZ5229C~MMBZ5262C	SOT-23	0.35	0.0001~0.005	1~39	4.3~51	2.5~20	5~125	500~2000	0.25	150
BZT52B3V0BS~BZT52B51BS	SOD-323	0.40	0.000045~0.009	1~35.7	3~51	2~5	10~169	80~564	0.5~1	150
BZT52B2V4~BZT52B75	SOD-123	0.50	0.0001~0.1	0.8~56	2.4~75	2~5	7~250	80~1000	1	150
BZT52C2V0~BZT52C75	SOD-123	0.50	0.0001~0.09	1~56	2~75	2~5	10~250	80~1000	0.5~1	150
MMSZ4678~MMSZ4716	SOD-123	0.50	0.00001~0.01	1~29.6	1.8~39	0.05	-	-	-	150
MMSZ5221B~MMSZ5267B	SOD-123	0.50	0.0001~0.1	1~56	2.4~75	1.7~20	5~270	500~2000	0.25	150
MMSZ5229C~MMSZ5261C	SOD-123	0.50	0.0001~0.005	1~36	4.3~47	2.7~20	5~105	500~2000	0.25	150
1EZ110D5~1EZ330D5	DO-41	1.00	0.0001	83.6~250.2	110~330	0.7~2.3	450~2500	4000~9990	0.25	150
1EZ6.2D5~1EZ39D5	DO-41	1.00	0.005~0.01	3~29.7	6.2~39	6.4~40.3	2~60	700~1000	0.25~1	150
1N4736AP~1N4764AP	DO-41	1.00	0.005~0.01	4~76	6.8~100	2.5~37	3.5~350	700~3000	0.25~1	150
DFLZ110	SOD-123FL	1.00	0.0001	84	110	2.3	450	4000	0.25	150
DFLZ180	SOD-123FL	1.00	0.001	130	180	5	180	-	-	150
DFLZ200	SOD-123FL	1.00	0.001	150	200	5	200	-	-	150
DFLZ5V1~DFLZ100	SOD-123FL	1.00	0.001~0.01	1~76	5.1~100	2.5~100	2~350	-	-	150
SMAF4735A~SMAF4764A	DO-221AC	1.00	0.005~0.01	3~76	6.2~100	2.5~41	2~350	700~3000	0.25~1	150
SMAJ4733A~SMAJ4764A	SMA	1.00	0.005~0.01	1~76	5.1~100	2.5~49	2~350	550~3000	0.25~1	150
SMAZ5V1-SMAZ39	SMA	1.00	0.0005~0.005	1~29.6	5.1~39	10~100	2~40	150~500	1~2	150
1N5920BP~1N5956BP	DO-41	1.50	0.001~0.005	4~152	6.2~200	1.9~60.5	2~1200	200~8000	0.25~1	175
SMAJ5918B~SMAJ5956B	SMA	1.50	0.0005~0.005	2~152	5.1~200	1.9~73.5	2~1200	200~8000	0.25~1	150
SMBJ5918B~SMBJ5956B	SMB	1.50	0.001~0.005	2~152	5.1~200	1.9~73.5	2~1200	200~8000	0.25~1	150
2EZ5.1D5~2EZ75D5	DO-41	2.00	0.0005~0.005	1~56	5.1~75	6.7~98	1.5~90	500~2000	0.25~1	150
3EZ5.1D5-3EZ75D5	DO-15	3.00	0.0005~0.005	1~56	5.1~75	10~147	1.5~85	550~2000	0.25~1	150
1N5918B3P~1N5947B3P	DO-41	3.00	0.001~0.005	2~62.2	5.1~82	4.6~73.5	2~160	200~2500	0.25~1	175

Zener Diodes

Part Number	Package	Power Rating	Maximum Reverse Leakage Current		Nominal Zener Voltage		Maximum Zener Impedance			Operating Junction Temperature
		P_D (W)	I_R (mA)	V_R (V)	V_Z (V)	I_{ZT} (mA)	Z_{ZT} (Ω)	Z_{ZK} (Ω)	I_{ZK} (mA)	T_j (°C)
3SMAJ5918B~3SMAJ5956B	SMA	3.00	0.001~0.005	2~152	5.1~200	1.9~73.5	4~1200	350~8000	0.25~1	150
3SMBJ5917B~3SMBJ5956B	SMB	3.00	0.001~0.005	1.5~152	4.7~200	1.9~79.8	2~1200	200~8000	0.25~1	150
1N5334B	DO-15	5.00	0.15	1	3.6	350	2.5	500	1	150
1N5338B~1N5388B	DO-15	5.00	0.0005~0.01	1~152	5.1~200	5~240	1~480	75~1850	1	200
SMBJ5338B~SMBJ5388B	SMB	5.00	0.0005~0.01	1~152	5.1~200	5~240	1~480	75~1850	1	150

Switching Diodes

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time	Power Dissipation	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)	P_D (mW)	T_j (°C)
1N4148WL2	DFN1006-2L	0.150	100	1	5	0.05	75	0.004	100	150
BAS116L2B	DFN1006-2L	0.215	85	1.25	0.005	0.15	75	3	300	150
BAV70M	SOT-723	0.200	75	1.25	2.5	0.15	75	0.004	150	150
BAS16T	SOT-523	0.075	85	1	2	0.05	75	0.004	150	150
BAV70T	SOT-523	0.075	85	1	2	0.05	75	0.004	150	150
BAV99T	SOT-523	0.075	85	1	2	0.05	75	0.004	150	150
BAW56T	SOT-523	0.075	85	1	2	0.05	75	0.004	150	150
DAN222	SOT-523	0.100	80	1.2	0.1	0.1	70	0.004	-	150
BAS21T	SOT-523	0.200	250	1	0.1	0.1	250	0.05	150	150
MMBD4448HT	SOT-523	0.250	100	0.72	0.025	0.005	20	0.004	150	150
MMBD4448HTA	SOT-523	0.250	100	0.72	0.025	0.005	20	0.004	150	150
MMBD4448HTC	SOT-523	0.250	100	0.72	0.025	0.005	20	0.004	150	150
MMBD4448HTS	SOT-523	0.250	100	0.72	0.025	0.005	20	0.004	150	150
BAS16V	SOT-563	0.200	75	1	1	0.05	75	0.004	150	150
MMBD4448V	SOT-563	0.250	80	1	0.1	0.1	70	0.004	150	150
DAN202U	SOT-323	0.100	80	1.2	0.1	0.1	70	0.004	200	150
DAP202U	SOT-323	0.100	80	1.2	0.1	0.1	70	0.004	200	150
BAS16WT	SOT-323	0.150	75	1	1	0.05	75	0.004	200	150
BAV70WT	SOT-323	0.150	75	1	2.5	0.05	75	0.004	200	150
BAW56WT	SOT-323	0.150	75	1	2.5	0.05	75	0.004	200	150
MMBD4148WT	SOT-323	0.150	75	1	1	0.05	75	0.004	200	150
BAV99WT	SOT-323	0.150	100	1	2.5	0.05	75	0.004	200	150
BAV199WT	SOT-323	0.160	85	1	0.005	0.01	85	3	200	150
BAS19WT	SOT-323	0.200	100	1	0.1	0.1	100	0.05	200	150
BAS20WT	SOT-323	0.200	150	1	0.1	0.1	150	0.05	200	150
BAS21WT	SOT-323	0.200	200	1	0.1	0.1	200	0.05	200	150

Diodes

Switching Diodes

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time	Power Dissipation	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)	P_D (mW)	T_J(°C)
BAV170WT	SOT-323	0.215	100	1.25	0.005	0.15	75	3	200	150
MMBD2004SWT	SOT-323	0.225	300	1	0.1	0.1	240	0.05	250	150
MMBD4448WT	SOT-323	0.250	100	0.72	0.025	0.005	20	0.004	200	150
DAN217U	SOT-323	0.300	80	1.2	0.2	0.1	70	0.004	200	150
BAS16TW	SOT-363	0.150	75	1	1	0.05	75	0.004	200	150
BAV756DW	SOT-363	0.150	75	1.25	2.5	0.15	75	0.004	200	150
BAV99BRW	SOT-363	0.150	75	0.855	2.5	0.01	75	0.004	200	150
BAV99DW	SOT-363	0.150	75	0.855	2.5	0.01	75	0.004	200	150
BAW567DW	SOT-363	0.150	75	1	2.5	0.05	75	0.004	200	150
BAW56DW	SOT-363	0.150	75	1	2.5	0.05	75	0.004	200	150
MMBD4148TW	SOT-363	0.150	75	1	1	0.05	75	0.004	200	150
BAV199DW	SOT-363	0.160	85	1	0.005	0.01	75	3	200	150
MMBD4448DW	SOT-363	0.250	75	1	2.5	0.05	75	0.004	200	150
MMBD4448HADW	SOT-363	0.250	80	1	0.1	0.05	70	0.004	200	150
MMBD4448HAQW	SOT-363	0.250	80	1	0.1	0.05	70	0.004	200	150
MMBD4448HCDW	SOT-363	0.250	80	1	0.1	0.05	70	0.004	200	150
MMBD4448HCQW	SOT-363	0.250	80	1	0.1	0.05	70	0.004	200	150
MMBD4448HSDW	SOT-363	0.250	80	1	0.1	0.05	70	0.004	200	150
MMBD4448HTW	SOT-363	0.250	80	1	0.1	0.05	70	0.004	200	150
BAV70DW	SOT-363	0.300	75	1	2.5	0.05	75	0.004	200	150
BAS21TWS	SOT-363S	0.200	250	1.05	0.1	0.1	200	0.05	150	150
DAN202	SOT-23	0.100	80	1.2	0.1	0.1	70	0.004	200	150
DAP202	SOT-23	0.100	80	1.2	0.1	0.1	70	0.004	200	150
BAV74	SOT-23	0.200	50	1	0.1	0.1	50	0.004	225	150
BAS116	SOT-23	0.200	75	1	0.005	0.01	75	3	225	150
MMBD4148	SOT-23	0.200	100	0.855	0.025	0.01	20	0.004	350	150
MMBD4148CA	SOT-23	0.200	100	1	0.025	0.05	20	0.004	350	150
MMBD4148CC	SOT-23	0.200	100	1	0.025	0.05	20	0.004	350	150
MMBD4148SE	SOT-23	0.200	100	1	0.025	0.05	20	0.004	350	150
MMBD7000	SOT-23	0.200	100	0.82	1	0.01	50	0.004	225	150
MMBD914	SOT-23	0.200	100	0.855	0.025	0.01	20	0.004	350	150
BAS19	SOT-23	0.200	120	1.25	0.1	0.225	120	0.05	350	150
BAS20	SOT-23	0.200	200	1.25	0.1	0.225	200	0.05	350	150
BAS21	SOT-23	0.200	250	1.25	0.1	0.225	250	0.05	350	150
BAS21A	SOT-23	0.200	250	1.1	1	0.1	200	0.05	225	150
BAS21C	SOT-23	0.200	250	1.1	1	0.1	200	0.05	225	150
BAS21S	SOT-23	0.200	250	1.1	1	0.1	200	0.05	225	150
BAV199	SOT-23	0.215	70	1.25	0.005	0.15	75	3	-	150
BAV170	SOT-23	0.215	85	0.9	0.005	0.001	75	3	250	150
BAS16	SOT-23	0.215	100	1.25	1	0.1	75	0.004	350	150
BAV70	SOT-23	0.215	100	0.855	1	0.01	75	0.004	350	150
BAV99	SOT-23	0.215	100	0.855	2.5	0.01	75	0.004	350	150
BAV23A	SOT-23	0.225	200	1.25	0.1	0.2	250	0.05	350	150
BAV23C	SOT-23	0.225	200	1.25	0.1	0.2	250	0.05	350	150

Switching Diodes

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time	Power Dissipation	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)	P_D (mW)	T_J(°C)
BAV23S	SOT-23	0.225	200	1.25	0.1	0.2	250	0.05	350	150
MMBD2004S	SOT-23	0.225	300	1	0.1	0.1	240	0.05	250	150
MMBD3004S	SOT-23	0.225	350	1	0.1	0.1	240	0.05	410	150
BAW56	SOT-23	0.250	100	0.855	0.5	0.01	100	0.004	350	150
MMBD4448	SOT-23	0.250	100	0.72	0.025	0.005	20	0.004	350	150
DAN217	SOT-23	0.300	80	1.2	0.1	0.1	70	0.004	200	150
MMBD1501	SOT-23	0.600	180	1.5	5	0.3	180		350	150
MMBD1503	SOT-23	0.600	180	1.5	5	0.3	180		350	150
MMBD1504	SOT-23	0.600	180	1.5	5	0.3	180		350	150
MMBD1505	SOT-23	0.600	180	1.5	5	0.3	180		350	150
MMBD4148TU	SOT23-6L	0.080	75	0.855	1	0.01	70	0.004	375	150
1SS400	SOD-523	0.100	90	1.2	0.1	0.1	80	0.004	150	150
1N4148X	SOD-523	0.150	100	1.25	1	0.15	75	0.004	200	150
BAS16X	SOD-523	0.200	75	1	1	0.05	75	0.006	150	150
BAS716	SOD-523	0.200	75	1	0.005	0.01	75	3	225	150
BAS21X	SOD-523	0.200	250	1.25	0.1	0.2	200	0.05	150	150
1N4448X	SOD-523	0.250	100	1	2.5	0.1	75	0.004	150	150
BAS516	SOD-523	0.250	100	0.715	0.03	0.001	25	0.004	150	150
1SS357	SOD-323	0.100	45	0.36	5	0.01	40		200	125
BAS16WX	SOD-323	0.100	75	1.25	1	0.15	75	0.006	350	150
1SS355	SOD-323	0.100	90	1.2	0.1	0.1	80	0.004		150
BAS16WXH	SOD-323	0.100	100	1.25	1	0.15	75	0.006	350	150
1N4148WX	SOD-323	0.150	100	1	1	0.05	75	0.004	200	150
BAS416	SOD-323	0.200	100	1	0.005	0.01	75	3	250	150
MMDL914	SOD-323	0.200	100	1	0.025	0.01	20	0.004	200	150
BAV19WS	SOD-323	0.200	120	1.25	0.1	0.2	100	0.05	250	150
BAV20WS	SOD-323	0.200	200	1.25	0.1	0.2	150	0.05	250	150
BAS21WS	SOD-323	0.200	250	1.25	0.1	0.2	200	0.05	200	150
BAV21WS	SOD-323	0.200	250	1.25	0.1	0.2	200	0.05	250	150
BAV316	SOD-323	0.215	130	1.1	0.005	0.15	75	3	250	150
BAV3004WS	SOD-323	0.225	350	1.25	0.1	0.2	240	0.05	200	150
1N4448WX	SOD-323	0.250	75	1	1	0.1	75	0.004	200	150
BAS316	SOD-323	0.250	100	0.715	1	0.001	75	0.004	400	150
BAS16W	SOD-123	0.100	75	1.25	1	0.15	75	0.006	350	150
1N4148W	SOD-123	0.150	100	0.715	50	0.001	75	0.004	400	150
MMSD914	SOD-123	0.200	75	1	2.5	0.01	75	0.004	400	150
BAV116W	SOD-123	0.215	130	1.25	0.005	0.15	75	3	350	125
BAV3004W	SOD-123	0.225	300	1	0.1	0.1	240	0.05	400	150
1N4448W	SOD-123	0.250	100	1	0.025	0.1	20	0.004	500	125
BAV19W	SOD-123	0.250	120	1	0.1	0.1	100	0.05	410	150
BAV20W	SOD-123	0.250	200	1	0.1	0.1	150	0.05	410	150
BAV21W	SOD-123	0.250	250	1	0.1	0.1	200	0.05	410	150
BAS28	SOT-143	0.215	85	1	1	0.05	75	0.004	250	150
BAV23	SOT-143	0.225	250	1	0.1	0.1	200	0.05	200	150

Diodes

Standard Recovery Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)	T_J(°C)
RL105	A-405	1.00	600	30	1.1	5	1	600	-	150
RL106	A-405	1.00	800	30	1.1	5	1	800	-	150
RL107	A-405	1.00	1000	30	1.1	5	1	1000	-	150
RL105GP	A-405	1.00	600	30	1.1	5	1	600	-	150
RL106GP	A-405	1.00	800	30	1.1	5	1	800	-	150
RL107GP	A-405	1.00	1000	30	1.1	5	1	1000	-	150
1N5395GP	DO-15	1.50	400	50	1.4	5	1.5	400	-	150
1N5397GP	DO-15	1.50	600	50	1.4	5	1.5	600	-	150
1N5398GP	DO-15	1.50	800	50	1.4	5	1.5	800	-	150
1N5399GP	DO-15	1.50	1000	50	1.4	5	1.5	1000	-	150
RL205GP	DO-15	2.00	600	70	1	5	2	600	-	150
RL206GP	DO-15	2.00	800	70	1	5	2	800	-	150
RL207GP	DO-15	2.00	1000	70	1	5	2	1000	-	150
RL257GPL	DO-15	2.50	1000	120	1.1	2.5	2.5	1000	-	150
1N5404GP	DO-201AD	3.00	400	200	1.1	5	3	400	-	150
1N5406GP	DO-201AD	3.00	600	200	1.1	5	3	600	-	150
1N5407GP	DO-201AD	3.00	800	200	1.1	5	3	800	-	150
1N5408GP	DO-201AD	3.00	1000	200	1.1	5	3	1000	-	150
1N5413GP	DO-201AD	3.00	1300	100	1.1	5	3	1300	-	150
1N5416GP	DO-201AD	3.00	1600	100	1.2	5	3	1600	-	150
60S6	DO-201AD	6.00	600	200	1	5	6	600	-	150
60S8	DO-201AD	6.00	800	200	1	5	6	800	-	150
60S10	DO-201AD	6.00	1000	200	1	5	6	1000	-	150
R4000GPS	DO-41	0.20	4000	15	3.5	5	0.5	4000	>1.2	150
1N4004	DO-41	1.00	400	30	1	5	1	400	2	150
1N4005	DO-41	1.00	600	30	1	5	1	600	2	150
1N4006	DO-41	1.00	800	30	1	5	1	800	2	150
1N4007	DO-41	1.00	1000	30	1	5	1	1000	2	150
1N4004GP	DO-41	1.00	400	30	1.1	5	1	400	2	175
1N4007GP	DO-41	1.00	1000	30	1.1	5	1	1000	2	175
BY133GP	DO-41	1.00	1300	30	1.1	5	1	1300	-	150
EM513GP	DO-41	1.00	1600	25	1.25	5	1	1600	-	150
EM516GP	DO-41	1.00	1800	25	1.25	5	1	1800	-	150
EM518GP	DO-41	1.00	2000	25	1.25	5	1	2000	-	150
RL255GP	R-3	2.50	600	70	1.1	5	2.5	600	-	150
RL256GP	R-3	2.50	800	70	1.1	5	2.5	800	-	150
RL257GP	R-3	2.50	1000	70	1.1	5	2.5	1000	-	150
6A6G	R-6	6.00	600	200	1	10	6	600	-	150
6A8G	R-6	6.00	800	200	1	10	6	800	-	150
6A10G	R-6	6.00	1000	200	1	10	6	1000	-	150
DR756	R-6	6.00	600	200	1.1	10	6	600	-	150
DR758	R-6	6.00	800	200	1.1	10	6	800	-	150
DR7510	R-6	6.00	1000	200	1.1	10	6	1000	-	150
10A04GP	R-6	10.00	400	300	1	5	10	400	-	150

Standard Recovery Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)	T_J(°C)
10A05GP	R-6	10.00	600	300	1	5	10	600	-	150
10A06GP	R-6	10.00	800	300	1	5	10	800	-	150
10A07GP	R-6	10.00	1000	300	1	5	10	1000	-	150
F1200D	R-6	12.00	150	390	0.87	5	12	150	-	200
GP1510	TO-220AC	15.00	1000	220	1.03	5	15	1000	-	150
GP1515	TO-220AC	15.00	1500	200	1.2	5	15	1500	-	150
GP3016	TO-220AC	30.00	1600	275	1.2	5	30	1600	-	150
GP45160B	TO-247AD	45.00	1600	600	1.4	10	45	1600	-	150
GP60160B	TO-247AD	60.00	1600	950	1.3	5	60	1600	-	150
GP12022	TO-264P	120.00	2200	2200	1.31	100	120	2200	-	150
M4FL	DO-221AC	1.00	400	30	1.1	5	1	400	-	150
GS1JFL	DO-221AC	1.00	600	30	1	5	1	600	-	150
GS1MFL	DO-221AC	1.00	1000	30	1	5	1	1000	-	150
M7FL	DO-221AC	1.00	1000	30	1.1	5	1	1000	-	150
GS1ZFL	DO-221AC	1.00	2000	30	1.15	1	1	2000	2.5	150
GS2JFL	DO-221AC	2.00	600	50	1.1	5	2	600	2.1	150
GS2KFL	DO-221AC	2.00	800	50	1.1	5	2	800	2.1	150
GS2MFL	DO-221AC	2.00	1000	50	1.1	5	2	1000	2.1	150
SM4004PL	SOD-123FL	1.00	400	30	1.1	5	1	400	3	150
SM4005PL	SOD-123FL	1.00	600	30	1.1	5	1	600	3	150
SM4006PL	SOD-123FL	1.00	800	30	1.1	5	1	800	3	150
SM4007PL	SOD-123FL	1.00	1000	30	1.1	5	1	1000	3	150
SM5397PL	SOD-123FL	1.50	600	50	1.1	5	1.5	600	2	150
SM5398PL	SOD-123FL	1.50	800	50	1.1	5	1.5	800	2	150
SM5399PL	SOD-123FL	1.50	1000	50	1.1	5	1.5	1000	2	150
GS1MHL	SOD-123HL	1.00	1000	30	1.1	5	1	1000	-	150
GS2MHL	SOD-123HL	2.00	1000	50	1.1	5	2	1000	-	150
GS1JPB	SOD-323HE-B	1.00	600	18	1.1	5	1	600	-	125
GS1JLF	SOD-323HL	1.00	600	18	1.1	5	1	600	1.2	150
GS1MLF	SOD-323HL	1.00	1000	18	1.1	5	1	1000	1.2	150
GSU8M	TO-277	8.00	1000	200	1.1	5	8	1000	4.3	150
GSU10M	TO-277	10.00	1000	230	1.2	5	10	1000	4.3	150
GS1AE	SMA	1.00	50	30	1.1	5	1	50	2	150
GS1GE	SMA	1.00	400	30	1.1	5	1	400	2	150
GS1JE	SMA	1.00	600	30	1.1	5	1	600	2	150
GS1KE	SMA	1.00	800	30	1.1	5	1	800	2	150
GS1ME	SMA	1.00	1000	30	1.1	5	1	1000	2	150
GS1D-L	SMA	1.00	200	30	1	5	1	200	2	150
GS1G-L	SMA	1.00	400	30	1	5	1	400	2	150
GS1J-L	SMA	1.00	600	30	1	5	1	600	2	150
GS1K-L	SMA	1.00	800	30	1	5	1	800	2	150
GS1M-L	SMA	1.00	1000	30	1	5	1	1000	2	150
GS1R-L	SMA	1.00	1300	30	1	5	1	1300	-	150
GS1Y-L	SMA	1.00	1600	30	1.25	5	1	1600	2	150

Diodes

Standard Recovery Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)	T_J(°C)
S1YA	SMA	1.00	1600	30	1.25	5	1	1600	2	150
GS1Z-L	SMA	1.00	2000	35	1.15	1	1	2000	2.5	150
GS1ZS-L	SMA	1.00	2000	30	1.15	5	1	2000	2.5	150
GS2Y-L	SMA	1.50	1600	30	1.15	3	1.5	1600	4	150
GS2A-L	SMA	2.00	50	50	1.1	5	2	50	2.1	150
GS2J-L	SMA	2.00	600	50	1.1	5	2	600	2.1	150
GS2K-L	SMA	2.00	800	50	1.1	5	2	800	2.1	150
GS2M-L	SMA	2.00	1000	50	1.1	5	2	1000	2.1	150
GS2Z-L	SMA	2.00	2000	40	1.3	5	2	2000	-	150
GS2ZL-L	SMA	2.00	2000	50	1.2	5	2	2000	-	150
S1J-L	SMB	1.00	600	30	1.1	5	1	600	2	150
S1K-L	SMB	1.00	800	30	1.1	5	1	800	2	150
S1M-L	SMB	1.00	1000	30	1.1	5	1	1000	2	150
S1Z-L	SMB	1.00	2000	35	1.2	5	1	2000	2.5	150
S2Y-L	SMB	1.50	1600	30	1.15	5	1.5	1600	4	150
S2B-L	SMB	2.00	100	50	1.1	5	2	100	-	150
S2J-L	SMB	2.00	600	50	1.1	5	2	600	-	150
S2K-L	SMB	2.00	800	50	1.1	5	2	800	-	150
S2M-L	SMB	2.00	1000	50	1.1	5	2	1000	-	150
S3AB	SMB	3.00	50	100	1.1	5	3	50	-	150
S3DB	SMB	3.00	200	100	1.1	5	3	200	-	150
S3GB	SMB	3.00	400	100	1.1	5	3	400	-	150
S3JB	SMB	3.00	600	100	1.1	5	3	600	-	150
S3KB	SMB	3.00	800	100	1.1	5	3	800	-	150
S3MB	SMB	3.00	1000	100	1.1	5	3	1000	-	150
S5MB	SMB	5.00	1000	150	1.1	5	5	1000	-	150
S2JBFL	SMBF	2.00	600	50	1.1	5	2	600	-	150
S2MBFL	SMBF	2.00	1000	50	1.1	5	2	1000	-	150
S3JBFL	SMBF	3.00	600	100	1.1	5	3	600	-	150
S3MBFL	SMBF	3.00	1000	100	1.1	5	3	1000	-	150
S3A	SMC	3.00	50	100	1.2	10	3	50	-	150
S3B	SMC	3.00	100	100	1.2	10	3	100	-	150
S3J	SMC	3.00	600	100	1.2	10	3	600	-	150
S3K	SMC	3.00	800	100	1.2	10	3	800	-	150
S3M	SMC	3.00	1000	100	1.2	10	3	1000	-	150
S3Q	SMC	3.00	1200	100	1.2	10	3	1200	-	150
GS3Z	SMC	3.00	2000	100	1.2	10	3	2000	-	150
S5JL	SMC	5.00	600	100	1.1	5	5	600	-	150
S5KL	SMC	5.00	800	100	1.1	5	5	800	-	150
S5ML	SMC	5.00	1000	100	1.1	5	5	1000	-	150
GS5Z	SMC	5.00	2000	200	1.1	5	5	2000	-	150
SMLJ60S6	SMC	6.00	600	200	1	5	6	600	-	150
SMLJ60S8	SMC	6.00	800	200	1	5	6	800	-	150
SMLJ60S10	SMC	6.00	1000	200	1	5	6	1000	-	150

Standard Recovery Rectifiers

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		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)	T_J(°C)
S8JL	SMC	8.00	600	200	1.05	5	8	600	-	150
S8KL	SMC	8.00	800	200	1.05	5	8	800	-	150
S8ML	SMC	8.00	1000	200	1.05	5	8	1000	-	150
S10AL	SMC	10.00	50	200	1.1	5	10	50	-	150
S10DL	SMC	10.00	200	200	1.1	5	10	200	-	150
S10GL	SMC	10.00	400	200	1.1	5	10	400	-	150
S10JL	SMC	10.00	600	200	1.1	5	10	600	-	150
S10KL	SMC	10.00	800	200	1.1	5	10	800	-	150
S10ML	SMC	10.00	1000	200	1.1	5	10	1000	-	150
GPD2006C	DPAK	20.00	600	250	1	5	20	600	-	175
GPBF2006C	TO-263AC	20.00	600	150	1.1	10	20	600	1.2	175
GPBF2506C	TO-263AC	25.00	600	180	1.15	10	25	600	1.28	175
GPB2506C	D2-PAK	25.00	600	300	1.1	5	25	600	-	175
GPB3016	D2-PAK	30.00	1600	275	1.3	5	30	1600	-	150

Diodes

Fast Recovery Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)	T_J(°C)
FR151GP	DO-15	1.50	50	50	1.3	5	1.5	50	0.15	150
FR154GP	DO-15	1.50	400	50	1.3	5	1.5	400	0.15	150
FR155GP	DO-15	1.50	600	50	1.3	5	1.5	600	0.25	150
FR157GP	DO-15	1.50	1000	50	1.3	5	1.5	1000	0.5	150
FR205GP	DO-15	2.00	600	60	1.3	5	2	600	0.25	150
FR206GP	DO-15	2.00	800	60	1.3	5	2	800	0.5	150
FR207GP	DO-15	2.00	1000	60	1.3	5	2	1000	0.5	150
FR304GP	DO-201AD	3.00	400	150	1.3	5	3	400	0.15	150
FR305GP	DO-201AD	3.00	600	150	1.3	5	3	600	0.25	150
FR307GP	DO-201AD	3.00	1000	150	1.3	5	3	1000	0.5	150
FR504GP	DO-201AD	5.00	400	200	1.35	10	5	400	0.15	150
FR505GP	DO-201AD	5.00	600	200	1.35	10	5	600	0.25	150
FR506GP	DO-201AD	5.00	800	200	1.35	10	5	800	0.5	150
R2000FGP	DO-41	0.50	2000	30	2.5	5	0.5	2000	0.5	150
1N4935GP	DO-41	1.00	200	30	1.2	5	1	200	0.2	150
1N4942GP	DO-41	1.00	200	25	1.3	5	1	200	0.15	150
1N4936GP	DO-41	1.00	400	30	1.2	5	1	400	0.2	150
FR104GP	DO-41	1.00	400	30	1.3	5	1	400	0.15	150
1N4937GP	DO-41	1.00	600	30	1.2	5	1	600	0.2	150
BA158GP	DO-41	1.00	600	30	1.3	5	1	600	0.15	150
FR105GP	DO-41	1.00	600	30	1.3	5	1	600	0.25	150
1N4947GP	DO-41	1.00	800	25	1.3	5	1	800	0.25	150
FR106GP	DO-41	1.00	800	30	1.3	5	1	800	0.5	150
1N4948GP	DO-41	1.00	1000	25	1.3	5	1	1000	0.5	150
BA159GP	DO-41	1.00	1000	30	1.3	5	1	1000	0.25	150
FR107GP	DO-41	1.00	1000	30	1.3	5	1	1000	0.5	150
FR602GP	R-6	6.00	100	200	1.3	10	6	100	0.15	150
FR604GP	R-6	6.00	400	200	1.3	10	6	400	0.15	150
FR605GP	R-6	6.00	600	200	1.3	10	6	600	0.25	150
FR607GP	R-6	6.00	1000	200	1.3	10	6	1000	0.5	150
FR1004GP	R-6	10.00	400	250	1.3	5	10	400	0.15	150
FR1005GP	R-6	10.00	600	250	1.3	5	10	600	0.25	150
FR1007GP	R-6	10.00	1000	250	1.3	5	10	1000	0.5	150
FR15140	TO-220AC	15.00	1400	200	1.3	5	15	1400	0.5	150
FS1GFL	DO-221AC	1.00	400	30	1.3	5	1	400	0.15	150
FS1JFL	DO-221AC	1.00	600	30	1.3	5	1	600	0.25	150
FS1MFL	DO-221AC	1.00	1000	30	1.3	5	1	1000	0.5	150
FS2GFL	DO-221AC	2.00	400	50	1.3	5	2	400	0.15	150
FS2JFL	DO-221AC	2.00	600	50	1.3	5	2	600	0.25	150
FS2MFL	DO-221AC	2.00	1000	50	1.3	5	2	1000	0.5	150
FSM13PL	SOD-123FL	1.00	200	30	1.3	1	1	200	0.15	150
FSM14PL	SOD-123FL	1.00	400	30	1.3	1	1	400	0.15	150
FSM15PL	SOD-123FL	1.00	600	30	1.3	1	1	600	0.25	150
FSM17PL	SOD-123FL	1.00	1000	30	1.3	1	1	1000	0.5	150

Fast Recovery Rectifiers

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		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)	T_J(°C)
FSM154PL	SOD-123FL	1.50	400	45	1.3	5	1	400	0.15	150
FSM155PL	SOD-123FL	1.50	600	45	1.3	5	1	600	0.25	150
FSM157PL	SOD-123FL	1.50	1000	45	1.3	5	1	1000	0.5	150
FSM14HL	SOD-123HL	1.00	400	30	1.3	5	1	400	0.15	150
FSM15HL	SOD-123HL	1.00	600	30	1.3	5	1	600	0.25	150
FSM17HL	SOD-123HL	1.00	1000	30	1.3	5	1	1000	0.5	150
FSM24HL	SOD-123HL	2.00	400	50	1.3	5	2	400	0.15	150
FSM25HL	SOD-123HL	2.00	600	50	1.3	5	2	600	0.25	150
FSM27HL	SOD-123HL	2.00	1000	50	1.3	5	2	1000	0.5	150
FM2000GP	SMA	0.50	2000	30	2.5	5	0.5	2000	0.5	150
FS1B-L	SMA	1.00	100	30	1.3	5	1	100	0.15	150
FS1D-L	SMA	1.00	200	30	1.3	5	1	200	0.15	150
FS1G-L	SMA	1.00	400	30	1.3	5	1	400	0.15	150
FS1J-L	SMA	1.00	600	30	1.3	5	1	600	0.25	150
FS1K-L	SMA	1.00	800	30	1.3	5	1	800	0.5	150
FS1M-L	SMA	1.00	1000	30	1.3	5	1	1000	0.5	150
FS2J-L	SMA	2.00	600	50	1.3	5	2	600	0.25	150
FS2K-L	SMA	2.00	800	50	1.3	5	2	800	0.5	150
FS2M-L	SMA	2.00	1000	50	1.3	5	2	1000	0.5	150
FR1D-L	SMB	1.00	200	30	1.3	5	1	200	0.15	150
FR1J-L	SMB	1.00	600	30	1.3	5	1	600	0.25	150
FR1K-L	SMB	1.00	800	30	1.3	5	1	800	0.5	150
FR1M-L	SMB	1.00	1000	30	1.3	5	1	1000	0.5	150
FR2J-L	SMB	2.00	600	50	1.3	5	2	600	0.25	150
FR2K-L	SMB	2.00	800	50	1.3	5	2	800	0.5	150
FR2M-L	SMB	2.00	1000	50	1.3	5	2	1000	0.5	150
FR3GB	SMB	3.00	400	100	1.3	10	3	400	0.15	150
FR3JB	SMB	3.00	600	100	1.3	10	3	600	0.25	150
FR3MB	SMB	3.00	1000	100	1.3	10	3	1000	0.5	150
FR2GBFL	SMBF	2.00	400	50	1.3	5	2	400	0.15	150
FR2JBFL	SMBF	2.00	600	50	1.3	5	2	600	0.25	150
FR2MBFL	SMBF	2.00	1000	50	1.3	5	2	1000	0.5	150
FR3GBFL	SMBF	3.00	400	100	1.3	5	3	400	0.15	150
FR3JBFL	SMBF	3.00	600	100	1.3	5	3	600	0.25	150
FR3MBFL	SMBF	3.00	1000	100	1.3	5	3	1000	0.5	150
FR4MBFL	SMBF	4.00	1000	120	1.3	5	4	1000	0.5	150
FR3B	SMC	3.00	100	100	1.3	10	3	100	0.15	150
FR3J	SMC	3.00	600	100	1.3	10	3	600	0.25	150
FR3K	SMC	3.00	800	100	1.3	10	3	800	0.5	150
FR3M	SMC	3.00	1000	100	1.3	10	3	1000	0.5	150

Diodes

Super Fast Recovery Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)	T_J(°C)
SF1600	DO-15	1	1600	30	3.4	2.5	1	1600	0.075	150
HER204G	DO-15	2	300	60	1	5	2	300	0.05	150
HER205G	DO-15	2	400	60	1.3	5	2	400	0.05	150
HER208G	DO-15	2	1000	60	1.7	5	2	1000	0.075	150
MUR260GPL	DO-15	2	600	50	1.35	5	2	600	0.05	150
SF24G	DO-15	2	200	50	0.95	5	2	200	0.035	150
SF26G	DO-15	2	400	50	1.3	5	2	400	0.035	150
SF28G	DO-15	2	600	50	1.7	5	2	600	0.035	150
SF26GS	DO-15	2	400	50	1.3	5	2	400	0.035	150
HER304G	DO-201AD	3	300	125	0.95	10	3	300	0.05	150
HER305G	DO-201AD	3	400	125	1.3	10	3	400	0.05	150
HER308G	DO-201AD	3	1000	125	1.7	10	3	1000	0.075	150
SF34G	DO-201AD	3	200	125	0.95	5	3	200	0.035	150
SF36G	DO-201AD	3	400	125	1.27	5	3	400	0.035	150
SF38G	DO-201AD	3	600	125	1.75	5	3	600	0.035	150
UF5404GP	DO-201AD	3	400	100	1.3	10	3	400	0.05	150
UF5406GP	DO-201AD	3	600	100	1.7	10	3	600	0.075	150
UF5407GP	DO-201AD	3	800	100	1.7	10	3	800	0.075	150
UF5408GP	DO-201AD	3	1000	100	1.7	10	3	1000	0.075	150
MUR420GP	DO-201AD	4	200	150	1	10	4	200	0.025	150
MUR460GP	DO-201AD	4	600	150	1.28	10	4	600	0.05	150
MUR4100GP	DO-201AD	4	1000	150	1.85	10	4	1000	0.075	150
HER505GP	DO-201AD	5	400	160	1.3	5	5	400	0.05	150
HER508GP	DO-201AD	5	1000	160	1.7	5	5	1000	0.075	150
SF54G	DO-201AD	5	200	150	0.95	5	5	200	0.035	150
SF56G	DO-201AD	5	400	150	1.27	5	5	400	0.035	150
SF58G	DO-201AD	5	600	150	1.75	5	5	600	0.035	150
SF64G	DO-201AD	6	200	150	0.975	5	6	200	0.035	150
SF66G	DO-201AD	6	400	150	1.3	5	6	400	0.035	150
SF68G	DO-201AD	6	600	150	1.7	5	6	600	0.035	150
HER104G	DO-41	1	300	30	1	5	1	300	0.05	150
HER107G	DO-41	1	800	30	1.7	5	1	800	0.075	150
HER108G	DO-41	1	1000	30	1.7	5	1	1000	0.075	150
MUR140GP	DO-41	1	400	35	1.35	5	1	400	0.045	150
MUR160GP	DO-41	1	600	35	1.35	5	1	600	0.06	150
SF14G	DO-41	1	200	30	0.95	5	1	200	0.035	150
SF16G	DO-41	1	400	30	1.3	5	1	400	0.035	150
SF18G	DO-41	1	600	30	1.7	5	1	600	0.035	150
SF18GL	DO-41	1	600	35	1.25	5	1	600	0.05	150
UF4004GP	DO-41	1	400	30	1.3	5	1	400	0.05	150
UF4005GP	DO-41	1	600	30	1.7	5	1	600	0.075	150
UF4007GP	DO-41	1	1000	30	1.7	5	1	1000	0.075	150
UF4012GP	DO-41	1	1200	30	1.85	5	1	1200	0.15	150
HER606GP	R-6	6	600	200	1.7	10	6	600	0.075	150

Super Fast Recovery Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)	T_J(°C)
HER607GP	R-6	6	800	200	1.7	10	6	800	0.075	150
HER608GP	R-6	6	1000	200	1.7	10	6	1000	0.075	150
MUR1020FCT	ITO-220AB	10	200	80	0.975	10	5	200	0.035	150
MUR1040FCT	ITO-220AB	10	400	80	1.3	10	5	400	0.05	150
MUR1060FCT	ITO-220AB	10	600	80	1.5	10	5	600	0.05	150
MURS1020FCTA	ITO-220AB	10	200	70	1	5	5	200	0.035	150
MURS1040FCTA	ITO-220AB	10	400	70	1.25	5	5	400	0.035	150
MURS1060FCTA	ITO-220AB	10	600	70	1.6	5	5	600	0.035	150
SF1040FCT	ITO-220AB	10	400	80	1.3	5	5	400	0.035	150
MUR1620FCT	ITO-220AB	16	200	120	0.95	5	8	200	0.035	150
MUR1640FCT	ITO-220AB	16	400	120	1.3	5	8	400	0.05	150
MUR1660FCT	ITO-220AB	16	600	120	1.7	5	8	600	0.05	150
MURS1620FCTA	ITO-220AB	16	200	100	1	5	8	200	0.035	175
MURS1640FCTA	ITO-220AB	16	400	100	1.25	5	8	400	0.035	150
MURS1660FCTA	ITO-220AB	16	600	100	1.6	5	8	600	0.035	175
MUR2020FCT	ITO-220AB	20	200	125	0.975	1	10	200	0.035	150
MUR2040FCT	ITO-220AB	20	400	125	1.3	1	10	400	0.05	150
MUR2060FCT	ITO-220AB	20	600	125	1.5	1	10	600	0.05	150
MURS2020FCTA	ITO-220AB	20	200	120	1	5	10	200	0.035	175
MURS2040FCTA	ITO-220AB	20	400	120	1.25	5	10	400	0.035	175
MURS2060FCTA	ITO-220AB	20	600	120	1.6	5	10	600	0.035	175
UG2030FCTH	ITO-220AB	20	300	150	1.25	10	10	300	0.025	175
MURS520FA	ITO-220AC	5	200	70	1	5	5	200	0.035	150
MURS540FA	ITO-220AC	5	400	70	1.25	5	5	400	0.035	175
MURS560FA	ITO-220AC	5	600	70	1.6	5	5	600	0.035	150
MUR8100F	ITO-220AC	8	1000	150	1.7	10	8	1000	0.09	150
MUR820F	ITO-220AC	8	200	125	0.975	5	8	200	0.035	150
MUR860F	ITO-220AC	8	600	125	1.5	5	8	600	0.05	150
MURS8120FA	ITO-220AC	8	1200	60	2.5	5	8	1200	0.075	150
MURS820FA	ITO-220AC	8	200	100	1	5	8	200	0.035	150
MURS840FA	ITO-220AC	8	400	100	1.25	5	8	400	0.035	150
MURS860FA	ITO-220AC	8	600	100	1.6	5	8	600	0.035	175
MURS860FB	ITO-220AC	8	600	70	3.6	10	8	600	0.04	150
MURS865FA	ITO-220AC	8	650	75	1.6	5	8	650	0.035	175
MUR1020F	ITO-220AC	10	200	125	1.15	5	10	200	0.035	150
MUR1040F	ITO-220AC	10	400	125	1.5	5	10	400	0.05	150
MUR1060F	ITO-220AC	10	600	125	1.6	5	10	600	0.05	150
MURS1020FA	ITO-220AC	10	200	120	1	5	10	200	0.035	150
MURS1040FA	ITO-220AC	10	400	120	1.25	5	10	400	0.035	150
MURS1060FA	ITO-220AC	10	600	120	1.6	5	10	600	0.035	175
MURS1060FL	ITO-220AC	10	600	100	1.3	5	15	600	0.075	150
MUR15120F	ITO-220AC	15	1200	110	2.7	10	15	1200	0.065	150
MUR15120FL	ITO-220AC	15	1200	110	3.2	5	15	1200	0.06	150
MURS1560FA	ITO-220AC	15	600	160	1.6	5	15	600	0.04	150

Diodes

Super Fast Recovery Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)	T_J(°C)
MURS1560FB	ITO-220AC	15	600	160	2.8	10	15	600	0.025	175
MURS1560FL	ITO-220AC	15	600	160	1.5	10	15	600	0.075	175
MUR1660F	ITO-220AC	16	600	200	1.5	5	16	600	0.05	150
MURS2060FS	ITO-220AC	20	600	160	1.7	5	20	600	0.04	150
MURS3060F	ITO-220AC	30	600	200	2	5	30	600	0.035	175
MURS3060FB	ITO-220AC	30	600	200	2.95	5	30	600	0.035	175
MUR1020CT	TO-220AB	10	200	80	0.975	10	5	200	0.035	150
MUR1040CT	TO-220AB	10	400	80	1.25	10	5	400	0.05	150
MUR1080CT	TO-220AB	10	800	100	1.85	5	5	800	0.075	150
MURS1020CTA	TO-220AB	10	200	70	1	5	5	200	0.035	175
MURS1020CTB	TO-220AB	10	200	80	0.96	10	5	200	0.02	175
MURS1040CTA	TO-220AB	10	400	70	1.25	5	5	400	0.035	150
MURS1060CTA	TO-220AB	10	600	70	1.6	5	5	600	0.035	150
MUR1620CT	TO-220AB	16	200	100	0.975	5	8	200	0.035	150
MUR1640CT	TO-220AB	16	400	100	1.3	5	8	400	0.05	150
MUR1660CT	TO-220AB	16	600	100	1.7	5	8	600	0.05	150
MURS1660CT	TO-220AB	16	600	125	1.6	10	8	600	0.035	150
MURS1620CTA	TO-220AB	16	200	100	1	5	8	200	0.035	175
MURS1640CTA	TO-220AB	16	400	100	1.25	5	8	400	0.035	150
MURS1660CTA	TO-220AB	16	600	100	1.6	5	8	600	0.035	175
SF1640CT	TO-220AB	16	400	100	1.3	10	8	1200	0.035	150
SF1660CT	TO-220AB	16	600	100	1.7	10	8	600	0.035	150
MUR2020CT	TO-220AB	20	200	125	0.975	10	10	200	0.035	150
MUR2040CT	TO-220AB	20	400	125	1.3	10	10	400	0.05	150
MUR2060CT	TO-220AB	20	600	125	1.5	10	10	600	0.05	150
MURS2020CTA	TO-220AB	20	200	120	1	5	10	200	0.035	175
MURS2030CTAS	TO-220AB	20	300	150	1.4	10	10	300	0.025	175
MURS2040CTA	TO-220AB	20	400	120	1.25	5	10	400	0.035	175
MURS2060CTA	TO-220AB	20	600	120	1.6	5	10	600	0.035	175
MURS520A	TO-220AC	5	200	70	1	5	5	200	0.035	150
MURS540A	TO-220AC	5	400	70	1.25	5	5	400	0.035	175
MURS560A	TO-220AC	5	600	70	1.6	5	5	600	0.035	150
MUR820	TO-220AC	8	200	125	0.975	5	8	200	0.035	150
MUR840	TO-220AC	8	400	125	1.3	5	8	400	0.05	150
MUR860	TO-220AC	8	600	125	1.5	5	8	600	0.05	150
MUR8120	TO-220AC	8	1200	110	2.3	10	8	1200	0.065	150
MUR820H	TO-220AC	8	200	150	1.16	10	8	200	0.025	175
MURS8120A	TO-220AC	8	1200	60	2.5	5	8	1200	0.075	150
MURS820A	TO-220AC	8	200	100	1	5	8	200	0.035	150
MURS840A	TO-220AC	8	400	100	1.25	5	8	400	0.035	150
MURS860A	TO-220AC	8	600	100	1.6	5	8	600	0.035	175
MURS860B	TO-220AC	8	600	70	3.6	10	8	600	0.04	150
MUR1040	TO-220AC	10	400	100	1.5	5	10	400	0.05	150
MUR1060	TO-220AC	10	600	100	1.5	5	10	600	0.05	150

Super Fast Recovery Rectifiers

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		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)	T_J(°C)
MURS1020A	TO-220AC	10	200	120	1	5	10	200	0.035	150
MURS1040A	TO-220AC	10	400	120	1.25	5	10	400	0.035	150
MURS1060A	TO-220AC	10	600	120	1.6	5	10	600	0.035	175
MURS1060L	TO-220AC	10	600	100	1.3	5	15	600	0.075	150
MUR15120	TO-220AC	15	1200	150	2.4	10	15	1200	0.075	150
MUR15120L	TO-220AC	15	1200	110	3.2	5	15	1200	0.06	150
MUR1560H	TO-220AC	15	600	180	1.65	3	15	600	0.035	175
MUR1560HS	TO-220AC	15	600	330	1.5	10	15	600	0.05	175
MURS15120A	TO-220AC	15	1200	140	2.5	5	15	1200	0.06	150
MURS1560A	TO-220AC	15	600	160	1.6	5	15	600	0.04	175
MURS1560B	TO-220AC	15	600	160	2.8	10	15	600	0.025	175
MURS1560L	TO-220AC	15	600	160	1.5	10	15	600	0.075	175
MUR1620	TO-220AC	16	200	200	0.975	5	16	200	0.035	150
MUR1660	TO-220AC	16	600	200	1.5	5	16	600	0.05	150
MURS3060	TO-220AC	30	600	200	1.7	50	30	600	0.05	150
MURS3060A	TO-220AC	30	600	300	1.6	5	30	600	0.035	175
MUR2030PT	TO-247	20	300	125	1.2	10	10	300	0.03	175
MUR30120PT	TO-247	30	1200	100	2.9	10	15	1200	0.055	175
MUR3030PT	TO-247	30	300	180	1.35	5	15	300	0.035	175
MUR3040PT	TO-247	30	400	140	1.45	10	15	400	0.045	150
MUR3060PTH	TO-247	30	600	150	1.6	5	15	600	0.035	175
MUR6030PTS	TO-247	60	300	350	1.4	10	30	300	0.029	150
MUR6040PT	TO-247	60	400	480	1.4	10	30	400	0.05	175
MUR6040PTS	TO-247	60	400	300	1.4	5	30	400	0.028	150
MUR6060PT	TO-247	60	600	300	1.55	10	30	600	0.05	175
MUR6060PTH	TO-247	60	600	300	1.6	5	30	600	0.038	175
MUR30120BH	TO-247AD	30	1200	300	2.4	5	30	1200	0.075	175
MUR30120BS	TO-247AD	30	1200	210	3.3	5	30	1200	0.038	150
MUR3060BS	TO-247AD	30	600	300	1.8	5	30	600	0.033	150
MUR3065B	TO-247AD	30	650	300	1.8	10	30	650	0.05	175
MUR3065BL	TO-247AD	30	650	300	2.4	10	30	650	0.04	175
MURZ3065P	TO-247AD	30	650	220	1.8	10	30	650	0.095	150
MUR4065B	TO-247AD	40	650	450	1.8	10	40	650	0.05	175
MURZ50120P	TO-247AD	50	1200	400	1.85	10	50	1200	0.2	150
MUR60120B	TO-247AD	60	1200	500	3.3	15	60	1200	0.085	175
MUR60120BH	TO-247AD	60	1200	500	3.3	5	60	1200	0.085	175
MUR60120BS	TO-247AD	60	1200	400	3.3	5	60	1200	0.045	150
MUR6040B	TO-247AD	60	400	500	1.7	10	60	400	0.075	150
MUR6060B	TO-247AD	60	600	600	1.7	10	60	600	0.075	175
MUR6060BH	TO-247AD	60	600	600	2.4	10	60	600	0.075	175
MUR6060BS	TO-247AD	60	600	500	2.5	5	60	600	0.035	175
MUR6065B	TO-247AD	60	650	500	1.9	5	60	650	0.075	175
MUR6065BL	TO-247AD	60	650	500	2.2	10	60	650	0.05	175
MURZ6065P	TO-247AD	60	650	440	1.8	10	60	650	0.105	150

Diodes

Super Fast Recovery Rectifiers

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		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)	T_J(°C)
MUR75120BA	TO-247AD	75	1200	500	3	10	75	1200	0.09	175
MUR7560B	TO-247AD	75	600	500	2.75	5	75	600	0.035	175
MURZ75120P	TO-247AD	75	1200	500	1.85	10	75	1200	0.22	150
MUR10065B	TO-247AD	100	650	500	2.5	10	100	650	0.07	175
UGJL2030CTH	TO-262L	20	300	150	1.25	10	10	300	0.025	175
MURS1JPL	SOD-123FL	1	600	30	1.25	5	1	600	0.05	150
SFM14PL	SOD-123FL	1	200	30	0.95	5	1	NULL	0.035	150
SFM16PL	SOD-123FL	1	400	30	1.25	5	1	NULL	0.035	150
SFM18PL	SOD-123FL	1	600	30	1.7	5	1	NULL	0.035	150
UFM12PL	SOD-123FL	1	100	30	1	5	1	100	0.035	150
UFM13PL	SOD-123FL	1	200	30	1	5	1	200	0.035	150
UFM14PL	SOD-123FL	1	400	30	1.3	5	1	400	0.05	150
UFM15PL	SOD-123FL	1	600	30	1.7	5	1	600	0.075	150
UFM16PL	SOD-123FL	1	800	30	1.7	5	1	800	0.075	150
UFM17PL	SOD-123FL	1	1000	30	1.7	5	1	1000	0.075	150
UG1DPL	SOD-123FL	1	200	30	0.92	5	1	200	0.025	150
UG1GPL	SOD-123FL	1	400	30	1.25	5	1	400	0.025	150
UG1JPL	SOD-123FL	1	600	30	1.7	5	1	600	0.035	150
ES1DHL	SOD-123HL	1	200	30	1	5	1	200	0.035	150
ES1GHL	SOD-123HL	1	400	30	1.3	5	1	400	0.035	150
ES1JHL	SOD-123HL	1	600	30	1.7	5	1	600	0.035	150
MURS1JHL	SOD-123HL	1	600	30	1.25	5	1	600	0.05	150
UG1DHL	SOD-123HL	1	200	30	0.92	5	1	200	0.025	150
UG1GHL	SOD-123HL	1	400	30	1.25	5	1	400	0.025	150
UG1JHL	SOD-123HL	1	600	30	1.7	5	1	600	0.035	150
US1DHL	SOD-123HL	1	200	30	1	5	1	200	0.05	150
US1GHL	SOD-123HL	1	400	30	1.3	5	1	400	0.05	150
US1MHL	SOD-123HL	1	1000	30	1.7	5	1	1000	0.075	150
ES2DHL	SOD-123HL	2	200	50	0.95	5	2	200	0.035	150
ES2GHL	SOD-123HL	2	400	50	1.3	5	2	400	0.035	150
ES2JHL	SOD-123HL	2	600	50	1.7	5	2	600	0.035	150
MURS2JHL	SOD-123HL	2	600	50	1.25	5	2	600	0.05	150
UG2DHL	SOD-123HL	2	200	50	0.92	5	2	200	0.025	150
UG2GHL	SOD-123HL	2	400	50	1.25	5	2	400	0.025	150
UG2JHL	SOD-123HL	2	600	50	1.7	5	2	600	0.035	150
US2DHL	SOD-123HL	2	200	50	1	5	2	200	0.05	150
US2GHL	SOD-123HL	2	400	50	1.3	5	2	400	0.05	150
US2MHL	SOD-123HL	2	1000	50	1.7	5	2	1000	0.075	150
ES1JFL	DO-221AC	1	600	30	1.7	5	1	600	0.035	150
ES1KFL	DO-221AC	1	800	30	1.85	5	1	800	0.035	150
MURS1JAFL	DO-221AC	1	600	30	1.4	5	1	600	0.035	150
US1DFL	DO-221AC	1	200	30	1	5	1	200	0.05	150
US1GFL	DO-221AC	1	400	30	1.3	5	1	400	0.05	150
US1JFL	DO-221AC	1	600	30	1.7	5	1	600	0.075	150

Super Fast Recovery Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (µs)	T_J(°C)
US1MFL	DO-221AC	1	1000	30	1.7	5	1	1000	0.075	150
ES2DFL	DO-221AC	2	200	50	1	5	2	200	0.035	150
ES2GFL	DO-221AC	2	400	50	1.3	5	2	400	0.035	150
ES2JFL	DO-221AC	2	600	50	1.7	5	2	600	0.035	150
ES2KFL	DO-221AC	2	800	50	1.85	5	2	800	0.035	150
UG2DAFL	DO-221AC	2	200	65	0.93	2	2	200	0.025	175
US2DFL	DO-221AC	2	200	50	1	5	1	200	0.05	150
US2GFL	DO-221AC	2	400	50	1.4	5	1	400	0.05	150
US2JFL	DO-221AC	2	600	50	1.7	5	1	600	0.075	150
US2MFL	DO-221AC	2	1000	50	1.7	5	1	1000	0.075	150
MURS3JAFL	DO-221AC	3	600	100	1.7	5	3	600	0.035	150
UG3DAFL	DO-221AC	3	200	85	0.93	2	3	200	0.035	175
ES1B-L	SMA	1	100	30	0.95	1	1	100	0.035	175
ES1D-L	SMA	1	200	30	0.95	1	1	200	0.035	175
ES1G-L	SMA	1	400	30	1.25	1	1	400	0.035	175
ES1J-L	SMA	1	600	30	1.7	1	1	600	0.035	175
HS1K	SMA	1	800	30	2.2	5	1	800	0.035	175
MURS1D	SMA	1	200	30	0.92	5	1	200	0.015	150
MURS1G	SMA	1	400	30	1.25	5	1	400	0.025	150
MURS1J	SMA	1	600	30	1.25	5	1	600	0.05	175
MURS1JAL	SMA	1	600	30	1.4	5	1	600	0.035	150
UG1D	SMA	1	200	30	0.92	5	1	200	0.025	150
UG1G	SMA	1	400	30	1.25	5	1	400	0.025	150
US1D	SMA	1	200	30	1	5	1	200	0.05	150
US1G	SMA	1	400	30	1.3	5	1	400	0.05	150
US1J	SMA	1	600	30	1.7	5	1	600	0.075	150
US1K	SMA	1	800	30	1.7	5	1	800	0.075	150
US1M	SMA	1	1000	30	1.7	5	1	1000	0.075	150
US1ML	SMA	1	1000	30	1.5	5	1	1000	0.12	150
US1Q	SMA	1	1200	30	1.9	5	1	1200	0.075	150
US1R	SMA	1	1300	30	2.3	5	1	1300	0.075	150
ES2D-L	SMA	2	200	50	0.95	1	2	200	0.035	175
ES2G-L	SMA	2	400	50	1.25	1	2	400	0.035	175
ES2J-L	SMA	2	600	50	1.7	1	2	600	0.035	175
MURS2JA	SMA	2	600	50	1.25	5	2	600	0.05	150
UP2DA	SMA	2	200	50	1	5	2	200	0.02	150
US2AA	SMA	2	50	50	1	5	2	50	0.05	150
US2DA	SMA	2	200	50	1	5	2	200	0.05	150
US2GA	SMA	2	400	50	1.4	5	2	400	0.05	150
US2JA	SMA	2	600	50	1.7	5	2	600	0.075	150
US2KA	SMA	2	800	50	1.7	5	2	800	0.075	150
US2MA	SMA	2	1000	50	1.7	5	2	1000	0.075	150
ER1D-L	SMB	1	200	30	0.95	5	1	200	0.035	175
ER1G-L	SMB	1	400	30	1.25	5	1	400	0.035	175

Diodes

Super Fast Recovery Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)	T_J(°C)
ER1J-L	SMB	1	600	30	1.7	5	1	600	0.035	175
ER1Q-L	SMB	1	1200	30	1.85	5	1	1200	0.15	150
MURS1DBL	SMB	1	200	40	0.9	2	1	200	0.025	150
MURS1JBL	SMB	1	600	35	1.25	5	1	600	0.05	150
UF1D	SMB	1	200	30	1	5	1	200	0.05	150
UF1G	SMB	1	400	30	1.3	5	1	400	0.05	150
UF1M	SMB	1	1000	30	1.7	5	1	1000	0.075	150
UF1Q	SMB	1	1200	30	1.9	5	1	1200	0.075	150
US1YB	SMB	1	1600	30	3.2	5	1	1600	0.075	150
ER2B-L	SMB	2	100	50	0.95	5	2	100	0.035	175
ER2D-L	SMB	2	200	50	0.95	5	2	200	0.035	175
ER2G-L	SMB	2	400	50	1.25	5	2	400	0.035	175
ER2J-L	SMB	2	600	50	1.7	5	2	600	0.035	175
HS2K	SMB	2	800	50	1.85	5	2	800	0.035	150
MURS2D	SMB	2	200	50	0.92	2	2	200	0.025	175
MURS2J	SMB	2	600	50	1.25	5	2	600	0.05	150
US2A	SMB	2	50	50	1	5	2	50	0.05	150
US2D	SMB	2	200	50	1	5	2	200	0.05	150
US2G	SMB	2	400	50	1.4	5	2	400	0.05	150
US2J	SMB	2	600	50	1.65	5	2	600	0.075	150
US2M	SMB	2	1000	50	1.65	5	2	1000	0.075	150
US2Q	SMB	2	1200	50	1.7	5	2	1200	0.1	150
ER3BB	SMB	3	100	100	0.95	5	3	100	0.035	150
ER3DB	SMB	3	200	100	0.95	5	3	200	0.035	150
ER3GB	SMB	3	400	100	1.25	5	3	400	0.035	150
ER3JB	SMB	3	600	100	1.7	5	3	600	0.035	150
ER3MB	SMB	3	1000	100	1.7	5	3	1000	0.075	150
MURF3JB	SMB	3	600	60	1.3	5	3	600	0.05	175
MURS3GB	SMB	3	400	100	1	5	3	400	0.035	150
MURS3JB	SMB	3	600	100	1.25	5	3	600	0.05	150
UG3DB	SMB	3	200	90	0.92	5	3	200	0.025	150
UG3GB	SMB	3	400	90	1.25	5	3	400	0.025	150
MURS4JB	SMB	4	600	100	1.25	5	4	600	0.05	150
ER2DBFL	SMBF	2	200	50	0.95	5	2	200	0.035	150
ER2GBFL	SMBF	2	400	50	1.3	5	2	400	0.035	150
ER2JBFL	SMBF	2	600	50	1.7	5	2	600	0.035	150
ER2KBFL	SMBF	2	800	50	1.85	5	2	800	0.035	150
MURS2DBFL	SMBF	2	200	50	0.92	5	2	200	0.025	150
MURS2GBFL	SMBF	2	400	50	1.25	5	2	400	0.05	150
MURS2JBFL	SMBF	2	600	50	1.25	5	2	600	0.05	150
US2DBFL	SMBF	2	200	50	1	5	2	200	0.05	150
US2GBFL	SMBF	2	400	50	1.3	5	2	400	0.05	150
US2MBFL	SMBF	2	1000	50	1.7	5	2	1000	0.075	150
ER3DBFL	SMBF	3	200	100	0.95	5	3	200	0.035	150

Super Fast Recovery Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)	T_J(°C)
ER3GBFL	SMBF	3	400	100	1.3	5	3	400	0.035	150
ER3JBFL	SMBF	3	600	100	1.7	5	3	600	0.035	150
ER3KBFL	SMBF	3	800	100	1.85	5	3	800	0.035	150
MURS3DBFL	SMBF	3	200	100	0.92	5	3	200	0.035	150
MURS3GBFL	SMBF	3	400	100	1.25	5	3	400	0.05	150
MURS3JBFL	SMBF	3	600	100	1.25	5	3	600	0.05	150
US3DBFL	SMBF	3	200	100	1	5	3	200	0.05	150
US3GBFL	SMBF	3	400	100	1.3	5	3	400	0.05	150
US3MBFL	SMBF	3	1000	100	1.7	5	3	1000	0.075	150
MURS4JBFL	SMBF	4	600	100	1.25	5	4	600	0.05	150
ER3C	SMC	3	150	100	0.95	5	3	150	0.035	175
ER3D	SMC	3	200	100	0.95	5	3	200	0.035	175
ER3G	SMC	3	400	100	1.25	5	3	400	0.035	175
ER3J	SMC	3	600	100	1.7	5	3	600	0.035	175
ER3K	SMC	3	800	100	1.7	5	3	800	0.075	175
ER3M	SMC	3	1000	100	1.7	5	3	1000	0.075	175
ER3JL	SMC	3	600	120	1.25	5	3	600	0.05	150
MURS3D	SMC	3	200	100	0.92	5	3	200	0.035	150
MURS3G	SMC	3	400	100	1	5	3	400	0.035	150
MURS3J	SMC	3	600	75	1.25	5	3	600	0.05	150
US3Q	SMC	3	1200	80	2.4	5	3	1200	0.075	150
MURS4D	SMC	4	200	125	0.92	5	4	200	0.025	150
MURS4J	SMC	4	600	125	1.25	5	4	600	0.05	150
ER5D	SMC	5	200	175	1	10	5	200	0.035	150
ER5G	SMC	5	400	175	1.3	10	5	400	0.035	150
ER5J	SMC	5	600	175	1.7	10	5	600	0.035	150
MURS5J	SMC	5	600	120	1.25	5	5	600	0.035	150
US5D	SMC	5	200	150	1	10	5	200	0.05	150
US5G	SMC	5	400	150	1.3	10	5	400	0.05	150
US5M	SMC	5	1000	150	1.7	10	5	1000	0.075	150
MUR5U60	TO-277	5	600	120	1.5	5	5	600	0.05	150
MUR6U60	TO-277	6	600	80	2.2	5	6	600	0.035	150
MURBF1660C	TO-263AC	16	600	200	1.3	10	16	600	0.055	175
MURBF1660CT	TO-263AC	16	600	120	1.5	10	8	600	0.035	175
MURBF3060CT	TO-263AC	30	600	200	1.15	10	15	600	0.055	175
MURD420	DPAK	4	200	90	0.84	100	4	200	0.028	175
MURD5120	DPAK	5	1200	80	2.2	5	5	1200	0.065	150
MURD560C	DPAK	5	600	110	1.4	10	5	600	0.035	150
MURSD520A	DPAK	5	200	70	1	5	5	200	0.035	150
MURSD540A	DPAK	5	400	70	1.25	5	5	400	0.035	175
MURSD560A	DPAK	5	600	70	1.6	5	5	600	0.035	150
MURD860	DPAK	8	600	80	3	10	8	600	0.025	175
MURD880	DPAK	8	800	80	2.4	10	8	800	0.033	175
MURSD8120A	DPAK	8	1200	60	2.5	5	8	1200	0.075	150

Diodes

Super Fast Recovery Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Reverse Recovery Time	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_{RR} (μs)	T_J(°C)
MURSD820A	DPAK	8	200	100	1	5	8	200	0.035	150
MURSD840A	DPAK	8	400	100	1.25	5	8	400	0.035	150
MURSD860A	DPAK	8	600	100	1.6	5	8	600	0.035	175
MURSD860B	DPAK	8	600	70	3.6	10	8	600	0.04	150
MURSD1020A	DPAK	10	200	120	1	5	10	200	0.035	150
MURSD1020CTA	DPAK	10	200	70	1	5	5	200	0.035	150
MURSD1040A	DPAK	10	400	120	1.25	5	10	400	0.035	150
MURSD1040CTA	DPAK	10	400	70	1.25	5	5	400	0.035	150
MURSD1060A	DPAK	10	600	120	1.6	5	10	600	0.035	175
MURSD1060CTA	DPAK	10	600	70	1.6	5	5	600	0.035	150
MURSD1060L	DPAK	10	600	100	1.3	5	15	600	0.075	150
MURSD1620CTA	DPAK	16	200	100	1	5	8	200	0.035	175
MURSD1640CTA	DPAK	16	400	100	1.25	5	8	400	0.035	150
MURSD1660CTA	DPAK	16	600	100	1.6	5	8	600	0.035	175
MURSB8120A	D2-PAK	8	1200	60	2.5	5	8	1200	0.075	150
MURB10120C	D2-PAK	10	1200	110	2.4	10	10	1200	0.075	150
MURSB1020CTA	D2-PAK	10	200	70	1	5	5	200	0.035	150
MURSB1040CTA	D2-PAK	10	400	70	1.25	5	5	400	0.035	150
MURSB1060CTA	D2-PAK	10	600	70	1.6	5	5	600	0.035	150
MURB15120C	D2-PAK	15	1200	150	2.4	10	15	1200	0.075	150
MURB15120L	D2-PAK	15	1200	110	3.2	5	15	1200	0.06	150
MURSB1520	D2-PAK	15	200	200	1.02	10	15	200	0.035	175
MURSB1560	D2-PAK	15	600	180	1.55	10	15	600	0.04	175
MURSB1620CTA	D2-PAK	16	200	100	1	5	8	200	0.035	175
MURSB1640CTA	D2-PAK	16	400	100	1.25	5	8	400	0.035	150
MURSB1660CTA	D2-PAK	16	600	100	1.6	5	8	600	0.035	175
MURB2020C	D2-PAK	20	200	350	1.15	10	20	200	0.035	150
MURSB2020CTA	D2-PAK	20	200	120	1	5	10	200	0.035	175
MURSB2040CTA	D2-PAK	20	400	120	1.25	5	10	400	0.035	175
MURSB2060CTA	D2-PAK	20	600	120	1.6	5	10	600	0.035	175
MURB30120L	D2-PAK	30	1200	180	3.3	5	30	1200	0.07	150
MURSB3060C	D2-PAK	30	600	300	1.6	5	30	600	0.035	175

Small Signal Schottky Diodes

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_j(°C)
CSP522S-30DP	0201-A	0.100	30	0.65	5	0.1	30	125
RB751S-40DP	0201	0.030	40	0.37	0.5	0.001	30	125
RB520S-30DP	0201	0.100	30	0.56	20	0.1	30	125
RB521S-30DP	0201	0.100	30	0.53	50	0.1	30	125
MBR0530L2	DFN1006-2	0.500	30	0.54	500	0.5	30	100
SM5819L2	DFN1006-2	1.000	40	0.6	60	1	40	125
RB751S-40L2	DFN1006-2L	0.030	40	0.37	0.5	0.001	30	125
BAS70L2	DFN1006-2L	0.070	70	0.41	0.2	0.001	50	150
RB520S-30L2	DFN1006-2L	0.100	30	0.45	0.5	0.01	10	125
RB521S-30L2	DFN1006-2L	0.100	30	0.35	10	0.01	10	125
BAS40L2	DFN1006-2L	0.200	40	0.38	0.2	0.001	30	125
BAT46L2	DFN1006-2L	0.200	100	1	0.1	0.2	50	125
BAT54L2	DFN1006-2L	0.200	30	0.5	2	0.03	25	125
RB520S-40L2	DFN1006-2L	0.200	40	0.39	10	0.01	40	125
MBR0545L2	DFN1006-2L	0.500	45	0.5	50	0.5	30	150
B5819P1L	DFN1608-2	1.000	40	0.54	100	1	40	125
MBR240P1	DFN1608-2L	2.000	40	0.56	50	1	40	125
RB520CS-30	SOD-923	0.100	30	0.45	0.5	0.01	10	125
RB521CS-30	SOD-923	0.100	30	0.35	50	0.01	30	125
RB751S-40	SOD-523	0.030	40	0.37	0.5	0.001	30	125
BAS70X	SOD-523	0.070	70	1	0.1	0.015	50	125
1SS388	SOD-523	0.100	45	0.36	5	0.01	10	125
BAS40X	SOD-523	0.200	40	1	0.2	0.04	30	125
BAT43X	SOD-523	0.200	30	1	0.5	0.2	25	125
BAT46X	SOD-523	0.200	100	1	0.1	0.2	50	125
BAT54WX	SOD-523	0.200	30	0.8	2	0.1	25	125
RB520S-30	SOD-523	0.200	30	0.6	1	0.2	10	125
RB520S-40	SOD-523	0.200	40	0.55	1	0.1	10	125
RB520S-40H	SOD-523	0.200	40	0.6	2	0.2	40	150
RB521S-30	SOD-523	0.200	30	0.5	30	0.2	10	125
RB521S-40	SOD-523	0.200	40	0.54	90	0.2	40	125
SD103AX	SOD-523	0.350	40	0.6	5	0.2	30	125
B5817X2	SOD-523	1.000	40	0.6	30	1	20	125
SD101AWS	SOD-323	0.015	60	0.41	0.2	0.001	50	125
SD101BWS	SOD-323	0.015	50	0.4	0.2	0.001	40	125
SD101CWS	SOD-323	0.015	40	0.39	0.2	0.001	30	125
RB751V-40	SOD-323	0.030	40	0.37	0.5	0.001	30	125
BAS70WX	SOD-323	0.070	70	1	0.1	0.015	50	125
RB500V-40	SOD-323	0.100	40	0.45	1	0.01	10	125
RB501V-40	SOD-323	0.100	40	0.34	30	0.01	10	125
SD107WS	SOD-323	0.100	30	0.55	1	0.05	25	150
BAT46WS	SOD-323	0.150	100	1	0.5	0.25	10	125
BAS40WX	SOD-323	0.200	40	1	0.2	0.04	30	125
BAT42WS	SOD-323	0.200	30	1	0.5	0.2	25	125

Diodes

Small Signal Schottky Diodes

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_j(°C)
BAT43WS	SOD-323	0.200	30	0.45	0.5	0.015	25	125
BAT54WS	SOD-323	0.200	30	1	2	0.1	25	125
BAT54WSH	SOD-323	0.300	40	0.9	1	0.1	30	150
SD103AWS	SOD-323	0.350	40	0.37	5	0.02	30	125
SD103BWS	SOD-323	0.350	30	0.37	5	0.02	20	125
SD103CWS	SOD-323	0.350	20	0.37	5	0.02	10	125
B05100WS	SOD-323	0.500	100	0.85	1	0.5	100	150
B0530WS	SOD-323	0.500	30	0.55	300	0.5	30	125
B0540WS	SOD-323	0.500	40	0.55	80	0.5	40	125
B0560WS	SOD-323	0.500	60	0.7	100	0.5	60	125
MBRX0520L	SOD-323	0.500	20	0.39	250	0.5	20	125
RB551V-30	SOD-323	0.500	30	0.47	100	0.5	20	125
RB551V-30S	SOD-323	0.500	30	0.47	100	0.5	20	125
RB551V-40	SOD-323	0.500	40	0.47	100	0.5	40	125
BAT165WS	SOD-323	0.750	40	0.74	8	0.75	40	150
B5817WS	SOD-323	1.000	20	0.45	200	1	20	125
B5818WS	SOD-323	1.000	30	0.55	40	1	30	125
B5819WS	SOD-323	1.000	40	0.6	40	1	40	125
B5818LWS	SOD-323	1.000	30	0.45	200	1	30	125
BSR106WS	SOD-323	1.000	60	0.7	100	1	60	125
MBR160S	SOD-323	1.000	60	1	500	3	60	125
SMD22WS	SOD-323	2.000	20	0.55	100	2	20	125
BAT60B	SOD-323	3.000	10	0.3	15	0.01	5	150
SD101AW	SOD-123	0.015	60	0.41	0.2	0.001	50	125
SD101BW	SOD-123	0.015	50	0.4	0.2	0.001	40	125
SD101CW	SOD-123	0.015	40	0.39	0.2	0.001	30	125
BAS70W	SOD-123	0.070	70	1	0.2	0.015	50	125
BAT46W	SOD-123	0.150	100	1	5	0.25	75	125
BAT42W	SOD-123	0.200	30	1	0.5	0.2	25	125
BAT43W	SOD-123	0.200	30	0.45	0.5	0.015	25	125
BAT54W	SOD-123	0.200	30	1	2	0.1	25	125
SD103AW	SOD-123	0.350	40	0.37	5	0.02	30	125
SD103BW	SOD-123	0.350	30	0.37	5	0.02	20	125
SD103CW	SOD-123	0.350	20	0.37	5	0.02	10	125
B05100W	SOD-123	0.500	100	0.85	1	0.5	100	150
B0540W	SOD-123	0.500	40	0.55	80	0.5	40	150
MBR0520L	SOD-123	0.500	20	0.385	250	0.5	20	125
MBR0530L	SOD-123	0.500	30	0.43	130	0.5	30	125
MBR0540L	SOD-123	0.500	40	0.51	20	0.5	40	125
MBR0520	SOD-123	0.500	20	0.45	100	0.5	20	125
MBR0530	SOD-123	0.500	30	0.55	100	0.5	30	125
MBR0540	SOD-123	0.500	40	0.55	100	0.5	40	125
MBR0560	SOD-123	0.500	60	0.7	100	0.5	60	125
MBR0580	SOD-123	0.500	80	0.8	100	0.5	80	125

Small Signal Schottky Diodes

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_j(°C)
B5817W	SOD-123	1.000	20	0.45	200	1	20	125
B5818W	SOD-123	1.000	30	0.55	40	1	30	125
B5819W	SOD-123	1.000	40	0.6	40	1	40	125
MBRX120LF	SOD-123	1.000	20	0.36	260	1	5	125
BAT54V	SOT-563	0.200	30	1	2	0.04	25	150
BAT54CM	SOT-723	0.200	30	1	2	0.1	25	150
BAT54M	SOT-723	0.200	30	0.4	2	0.01	25	150
RB715W	SOT-523	0.030	40	0.37	1	0.001	10	150
BAS70-04T	SOT-523	0.070	70	1	0.1	0.015	50	125
BAS70-05T	SOT-523	0.070	70	1	0.1	0.015	50	125
BAS70-06T	SOT-523	0.070	70	1	0.1	0.015	50	125
BAS70T	SOT-523	0.070	70	1	0.1	0.015	50	125
BAS40-04T	SOT-523	0.200	40	1	0.2	0.04	30	125
BAS40-05T	SOT-523	0.200	40	1	0.2	0.04	30	125
BAS40-06T	SOT-523	0.200	40	1	0.2	0.04	30	125
BAS40T	SOT-523	0.200	40	1	0.2	0.04	30	125
BAT54AT	SOT-523	0.200	30	1	2	0.1	25	125
BAT54CT	SOT-523	0.200	30	1	2	0.1	25	125
BAT54ST	SOT-523	0.200	30	1	2	0.1	25	125
BAT54T	SOT-523	0.200	30	1	2	0.1	25	125
BAT54CTH	SOT-523	0.200	30	1	2	0.1	25	150
BAT54STH	SOT-523	0.200	30	1	2	0.1	25	150
BAT54TH	SOT-523	0.200	30	1	2	0.1	25	150
BAS40V	SOT-563	0.200	40	1	0.2	0.04	30	125
RB706F-40	SOT-323	0.030	40	0.37	1	0.001	10	150
RB715F	SOT-323	0.030	40	0.37	1	0.001	10	150
RB717F	SOT-323	0.030	40	0.37	1	0.001	10	125
BAS70WT	SOT-323	0.070	70	1	0.1	0.015	50	125
BAS70WT-04	SOT-323	0.070	70	1	0.1	0.015	50	125
BAS70WT-05	SOT-323	0.070	70	1	0.1	0.015	50	125
BAS70WT-06	SOT-323	0.070	70	1	0.1	0.015	50	125
BAS40WT	SOT-323	0.200	40	1	1	0.04	30	125
BAS40WT-04	SOT-323	0.200	40	1	1	0.04	30	150
BAS40WT-05	SOT-323	0.200	40	1	1	0.04	30	150
BAS40WT-06	SOT-323	0.200	40	1	1	0.04	30	150
BAT54AWT	SOT-323	0.200	30	0.8	2	0.1	25	125
BAT54CWT	SOT-323	0.200	30	0.8	2	0.1	25	125
BAT54SWT	SOT-323	0.200	30	0.8	2	0.1	25	125
BAT54WT	SOT-323	0.200	30	0.8	2	0.1	25	125
BAT64-04W	SOT-323	0.250	40	0.52	2	0.03	30	150
BAT64-05W	SOT-323	0.250	40	0.52	2	0.03	30	150
BAT64-06W	SOT-323	0.250	40	0.52	2	0.03	30	150
BAT720WT	SOT-323	0.500	40	0.55	100	0.5	35	125
BAS70BRW	SOT-363	0.070	70	1	0.1	0.015	50	125

Small Signal Schottky Diodes

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature
		$I_{F(AV)}$ (A)	V_{RWM} (V)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_j(°C)
BAS70DW-04	SOT-363	0.070	70	1	0.1	0.015	50	125
BAS70DW-05	SOT-363	0.070	70	1	0.1	0.015	50	125
BAS70DW-06	SOT-363	0.070	70	1	0.1	0.015	50	125
BAS70TW	SOT-363	0.070	70	1	0.1	0.015	50	125
BAS40BRW	SOT-363	0.200	40	1	0.2	0.04	30	125
BAS40DW-04	SOT-363	0.200	40	1	0.2	0.04	30	125
BAS40DW-05	SOT-363	0.200	40	1	0.2	0.04	30	125
BAS40DW-06	SOT-363	0.200	40	1	0.2	0.04	30	125
BAS40TW	SOT-363	0.200	40	1	0.2	0.04	30	125
BAT54ADW	SOT-363	0.200	30	1	2	0.1	25	150
BAT54BRW	SOT-363	0.200	30	1	2	0.1	25	150
BAT54CDW	SOT-363	0.200	30	1	2	0.1	25	150
BAT54SDW	SOT-363	0.200	30	1	2	0.1	25	150
BAT54TW	SOT-363	0.200	30	1	2	0.1	25	150
BAT54DW	SOT-363	0.200	30	1	2	0.1	25	150
SD103ATW	SOT-363	0.350	40	0.37	5	0.02	30	125
BAS70	SOT-23	0.070	70	1	0.01	0.015	50	125
BAS70-04	SOT-23	0.070	70	1	0.01	0.015	50	125
BAS70-05	SOT-23	0.070	70	1	0.01	0.015	50	125
BAS70-06	SOT-23	0.070	70	1	0.01	0.015	50	125
BAR43	SOT-23	0.200	30	0.33	0.5	0.002	25	125
BAR43A	SOT-23	0.200	30	0.33	0.5	0.002	25	125
BAR43C	SOT-23	0.200	30	0.33	0.5	0.002	25	125
BAR43S	SOT-23	0.200	30	0.33	0.5	0.002	25	125
BAS40	SOT-23	0.200	40	1	0.01	0.04	30	125
BAS40-04	SOT-23	0.200	40	1	0.01	0.04	30	125
BAS40-05	SOT-23	0.200	40	1	0.01	0.04	30	125
BAS40-06	SOT-23	0.200	40	1	0.01	0.04	30	125
BAT54	SOT-23	0.200	30	0.4	2	0.01	25	125
BAT54A	SOT-23	0.200	30	0.4	2	0.01	25	125
BAT54C	SOT-23	0.200	30	0.4	2	0.01	25	125
BAT54S	SOT-23	0.200	30	0.4	2	0.01	25	125
BAT64-04	SOT-23	0.250	40	0.43	2	0.01	25	150
BAT64-05	SOT-23	0.250	40	0.43	2	0.01	25	150
BAT64-06	SOT-23	0.250	40	0.43	2	0.01	25	150
BAT54AH	SOT-23	0.300	40	0.9	1	0.1	30	150
BAT54CH	SOT-23	0.300	40	0.9	1	0.1	30	150
BAT54H	SOT-23	0.300	40	0.9	1	0.1	30	150
BAT54SH	SOT-23	0.300	40	0.9	1	0.1	30	150
RB495DS	SOT-23	0.400	40	0.5	70	0.2	25	125
BAT720	SOT-23	0.500	40	0.55	100	0.5	35	125
RB400DS	SOT-23	0.500	40	0.55	50	0.5	30	125
BAT750	SOT-23	0.750	40	0.45	60	0.75	30	125
MMBD301	SOT-23	-	30	0.52	0.2	0.01	25	125

Schottky Barrier Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)
SB2010L	DO-15	2	100	35	0.75	100	2	100	150
SB240	DO-15	2	40	50	0.5	100	2	40	125
SB245	DO-15	2	45	50	0.7	100	2	45	125
SB260	DO-15	2	60	50	0.5	100	2	60	150
SB2010	DO-15	2	100	50	0.85	10	2	100	150
SB2150	DO-15	2	150	50	0.85	10	2	150	150
SB2200	DO-15	2	200	50	0.85	10	2	200	150
1N5820	DO-201AD	3	20	80	0.475	100	3	20	125
1N5821	DO-201AD	3	30	80	0.5	100	3	30	125
1N5822	DO-201AD	3	40	80	0.525	100	3	40	125
SR345	DO-201AD	3	45	80	0.5	100	3	45	125
SR306	DO-201AD	3	60	80	0.72	100	3	60	150
SR3010	DO-201AD	3	100	80	0.85	100	3	100	150
SR3150	DO-201AD	3	150	80	0.92	10	3	150	150
SR3200	DO-201AD	3	200	80	0.9	10	3	200	150
SR5010H	DO-201AD	5	100	150	0.8	20	5	100	175
SR5010HL	DO-201AD	5	100	200	0.78	20	5	100	175
SR5010L	DO-201AD	5	100	80	0.7	100	5	100	150
SR504	DO-201AD	5	40	150	0.55	100	5	40	150
SR506	DO-201AD	5	60	150	0.7	100	5	60	150
SR5010	DO-201AD	5	100	150	0.85	100	5	100	150
SR5150	DO-201AD	5	150	150	0.9	10	5	150	150
SR5200	DO-201AD	5	200	150	0.9	10	5	200	150
SR506HL	DO-201AD	5	60	220	0.62	100	5	60	175
SR506L	DO-201AD	5	60	120	0.49	100	5	60	150
SR5150H	DO-201AD	5	150	150	0.85	0.5	5	150	175
SR5200H	DO-201AD	5	200	150	0.9	0.5	5	200	175
SR5150L	DO-201AD	5	150	150	0.8	10	5	150	150
SR5200L	DO-201AD	5	200	150	0.8	10	5	200	150
SR545L	DO-201AD	5	45	120	0.49	200	5	45	150
SR804	DO-201AD	8	40	150	0.65	100	8	40	125
SR8045	DO-201AD	8	45	150	0.65	100	8	45	125
SR806	DO-201AD	8	60	150	0.7	100	8	60	125
SR810	DO-201AD	8	100	150	0.85	100	8	100	125
SR820	DO-201AD	8	200	150	0.85	100	8	200	150
SR1060L	DO-201AD	10	60	150	0.48	200	10	60	150
SR10100L	DO-201AD	10	100	150	0.75	200	10	100	150
SB12100	DO-201AD	12	100	250	0.85	500	12	100	125
1N5817	DO-41	1	20	30	0.45	100	1	20	125
1N5818	DO-41	1	30	30	0.5	100	1	30	125
1N5819	DO-41	1	40	30	0.6	100	1	40	125
SR106	DO-41	1	60	30	0.7	100	1	60	150
SR1010	DO-41	1	100	30	0.85	10	1	100	150
SR1200	DO-41	1	200	30	0.9	10	1	200	150

Diodes

Schottky Barrier Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)
SR204	DO-41	2	40	50	0.5	100	2	40	125
SR206	DO-41	2	60	50	0.7	100	2	60	150
SR2010	DO-41	2	100	50	0.85	10	2	100	150
15SQ045	R-6	15	45	275	0.48	100	15	45	200
MBR10100FCTH	ITO-220AB	10	100	120	0.8	10	5	100	175
MBR10150FCTH	ITO-220AB	10	150	120	0.85	10	5	150	175
MBR10200FCTH	ITO-220AB	10	200	120	0.9	10	5	200	175
MBR10150FCT	ITO-220AB	10	150	120	0.92	10	5	150	150
MBR10200FCT	ITO-220AB	10	200	125	0.92	100	5	200	150
MBR1040FCT	ITO-220AB	10	40	120	0.7	100	5	40	150
MBR1045FCT	ITO-220AB	10	45	120	0.7	100	5	45	150
MBR1060FCT	ITO-220AB	10	60	120	0.75	100	5	60	150
MBR10100FCT	ITO-220AB	10	100	120	0.85	100	5	100	150
MBR1060FCTS	ITO-220AB	10	60	100	0.75	200	5	60	150
MBRL10100FCT	ITO-220AB	10	100	120	0.72	100	5	100	150
MBRL1060FCT	ITO-220AB	10	60	100	0.6	100	5	60	150
MBR1640FCT	ITO-220AB	16	40	150	0.55	100	8	40	150
MBR1660FCT	ITO-220AB	16	60	150	0.75	100	8	60	150
MBR16100FCT	ITO-220AB	16	100	150	0.85	100	8	100	150
MBR20100FCTH	ITO-220AB	20	100	200	0.8	10	10	100	175
MBR20150FCTH	ITO-220AB	20	150	200	0.85	10	10	150	175
MBR20200FCTH	ITO-220AB	20	200	200	0.9	10	10	200	175
MBR20100FCTS	ITO-220AB	20	100	130	0.85	10	10	100	150
MBR20150FCT	ITO-220AB	20	150	150	0.92	25	10	150	150
MBR20200FCT	ITO-220AB	20	200	150	0.95	50	10	200	150
MBR2045FCT	ITO-220AB	20	45	150	0.65	100	10	45	150
MBR2060FCT	ITO-220AB	20	60	150	0.75	100	10	60	150
MBR20100FCT	ITO-220AB	20	100	150	0.85	10	10	100	150
MBR2045FCTS	ITO-220AB	20	45	150	0.65	100	10	45	150
MBRL20100FCT	ITO-220AB	20	100	200	0.72	100	10	100	150
MBRL20150FCT	ITO-220AB	20	150	200	0.9	100	10	150	150
MBRL20200FCT	ITO-220AB	20	200	160	0.88	50	10	200	150
MBRL2045FCT	ITO-220AB	20	45	150	0.52	200	10	45	150
MBRL2060FCT	ITO-220AB	20	60	150	0.6	100	10	60	150
MBRL20U100FCT	ITO-220AB	20	100	250	0.65	100	10	100	150
MBR2545FCT	ITO-220AB	25	45	150	0.65	200	12.5	45	150
MBR30100FCTH	ITO-220AB	30	100	250	0.85	10	15	100	175
MBR30150FCTH	ITO-220AB	30	150	250	0.85	10	15	150	175
MBR30150FCT	ITO-220AB	30	150	260	0.9	5	15	150	150
MBR30200FCT	ITO-220AB	30	200	200	0.95	100	15	200	150
MBR30200FCTH	ITO-220AB	30	200	250	0.88	10	15	200	175
MBR3040FCT	ITO-220AB	30	40	250	0.6	100	15	40	150
MBR3045FCT	ITO-220AB	30	45	250	0.6	100	15	45	150
MBR3060FCT	ITO-220AB	30	60	250	0.85	100	15	60	150

Schottky Barrier Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)
MBR30100FCT	ITO-220AB	30	100	250	0.85	100	15	100	150
MBR30300FCT	ITO-220AB	30	300	200	1.3	10	15	300	150
MBR3045FCTS	ITO-220AB	30	45	200	0.65	200	15	45	150
MBRL30100FCT	ITO-220AB	30	100	200	0.72	100	15	100	150
MBRL30150FCT	ITO-220AB	30	150	220	0.84	100	15	150	150
MBRL30200FCT	ITO-220AB	30	200	250	0.85	50	15	200	150
MBRL3045FCT	ITO-220AB	30	45	250	0.55	100	15	45	150
MBRL3060FCT	ITO-220AB	30	60	200	0.6	100	15	60	150
MBRL30U100FCT	ITO-220AB	30	100	320	0.64	100	15	100	150
MBR40150FCT	ITO-220AB	40	150	300	0.85	10	20	150	175
MBR40200FCTH	ITO-220AB	40	200	300	0.9	10	20	200	175
MBRL40100FCT	ITO-220AB	40	100	300	0.71	80	20	100	150
MBR545F	ITO-220AC	5	45	80	0.55	100	5	45	150
MBR10200FH	ITO-220AC	10	200	150	0.85	10	5	200	175
MBR1040F	ITO-220AC	10	40	150	0.55	100	10	40	150
MBR1060F	ITO-220AC	10	60	150	0.75	100	10	60	150
MBR1080F	ITO-220AC	10	80	150	0.85	100	10	80	150
MBR10100F	ITO-220AC	10	100	150	0.85	100	10	100	150
MBR1545FA	ITO-220AC	15	45	250	0.6	200	15	45	150
MBR10100CTH	TO-220AB	10	100	120	0.8	10	5	100	175
MBR10150CTH	TO-220AB	10	150	120	0.85	10	5	150	175
MBR10200CTH	TO-220AB	10	200	120	0.9	10	5	200	175
MBR10150CT	TO-220AB	10	150	120	0.92	10	5	150	150
MBR10200CT	TO-220AB	10	200	150	0.95	10	10	200	150
MBR1045CT	TO-220AB	10	45	125	0.7	100	5	45	150
MBR1060CT	TO-220AB	10	60	125	0.8	100	5	60	150
MBR10100CT	TO-220AB	10	100	120	0.85	100	5	100	150
MBRL10100CT	TO-220AB	10	100	120	0.72	100	5	100	150
MBRL1060CT	TO-220AB	10	60	100	0.6	100	5	60	150
MBR1645CT	TO-220AB	16	45	125	0.65	100	8	45	150
MBR1660CT	TO-220AB	16	60	125	0.75	100	8	60	150
MBR16100CT	TO-220AB	16	100	125	0.85	100	8	100	150
MBR20100CTH	TO-220AB	20	100	200	0.8	10	10	100	175
MBR20150CTH	TO-220AB	20	150	200	0.85	10	10	150	175
MBR20200CTH	TO-220AB	20	200	200	0.9	10	10	200	175
MBR20150CT	TO-220AB	20	150	150	0.92	10	10	150	175
MBR20200CT	TO-220AB	20	200	150	0.95	10	10	200	175
MBR20200CTS	TO-220AB	20	200	150	0.95	10	10	200	175
MBR20300CT	TO-220AB	20	300	200	0.975	50	10	300	150
MBR2045CT	TO-220AB	20	45	150	0.65	100	20	45	150
MBR2060CT	TO-220AB	20	60	150	0.75	100	20	60	150
MBR20100CT	TO-220AB	20	100	150	0.85	10	20	100	150
MBRL20100CT	TO-220AB	20	100	200	0.7	100	10	100	150
MBRL20120CT	TO-220AB	20	120	200	0.85	100	10	120	150

Diodes

Schottky Barrier Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)
MBRL20150CT	TO-220AB	20	150	200	0.85	10	10	150	150
MBRL20200CT	TO-220AB	20	200	160	0.88	10	10	200	150
MBRL2045CT	TO-220AB	20	45	150	0.52	200	10	45	150
MBRL2060CT	TO-220AB	20	60	150	0.6	100	10	60	150
MBR2545CT	TO-220AB	25	45	150	0.65	200	12.5	45	150
MBR2560CT	TO-220AB	25	60	150	0.75	200	12.5	60	150
MBR30100CT	TO-220AB	30	100	250	0.85	10	15	100	150
MBR30100CTH	TO-220AB	30	100	250	0.85	10	15	100	175
MBR30150CTH	TO-220AB	30	150	250	0.85	10	15	150	175
MBR30150CT	TO-220AB	30	150	200	0.9	10	15	150	150
MBR30200CT	TO-220AB	30	200	200	0.95	100	15	200	150
MBR30200CTH	TO-220AB	30	200	250	0.88	10	15	200	175
MBR30300CTH	TO-220AB	30	300	250	1.3	10	15	300	175
MBR3045CT	TO-220AB	30	45	200	0.84	100	30	45	150
MBR3060CT	TO-220AB	30	60	200	0.95	100	30	60	150
MBR3045CTH	TO-220AB	30	45	350	0.63	50	15	45	175
MBRL30100CT	TO-220AB	30	100	200	0.72	100	15	100	150
MBRL30120CT	TO-220AB	30	120	250	0.88	100	15	120	150
MBRL30150CT	TO-220AB	30	150	220	0.84	100	15	150	150
MBRL30200CT	TO-220AB	30	200	250	0.88	100	15	200	150
MBRL30300CT	TO-220AB	30	300	110	1.1	30	15	300	150
MBRL3045CT	TO-220AB	30	45	250	0.53	200	15	45	150
MBRL3060CT	TO-220AB	30	60	240	0.62	100	15	60	150
MBRL30U100CT	TO-220AB	30	100	320	0.64	100	15	100	150
MBR40100CT	TO-220AB	40	100	300	0.85	10	20	100	175
MBR40100CTH	TO-220AB	40	100	250	0.85	10	20	100	175
MBR40150CT	TO-220AB	40	150	300	0.85	10	20	150	175
MBR40200CT	TO-220AB	40	200	450	0.9	10	20	200	150
MBR40200CTH	TO-220AB	40	200	300	0.9	10	20	200	175
MBR40250C	TO-220AB	40	250	450	1	10	40	250	150
MBR40300CTH	TO-220AB	40	300	430	1.3	10	20	300	175
MBRL40100CT	TO-220AB	40	100	300	0.71	80	20	100	150
MBRL40120CT	TO-220AB	40	120	320	0.85	100	20	120	150
MBRL40150CT	TO-220AB	40	150	250	0.88	50	20	150	150
MBRL40300CT	TO-220AB	40	300	200	0.93	10	20	300	150
MBRL40U100CT	TO-220AB	40	100	300	0.71	100	20	100	150
MBRL40U60CT	TO-220AB	40	60	300	0.56	200	20	60	150
MBR60200CT	TO-220AB	60	200	450	0.9	20	30	200	150
MBRL60100CT	TO-220AB	60	100	320	0.79	200	30	100	150
MBR5200HL	TO-220AC	5	200	150	0.85	10	5	200	175
MBR545	TO-220AC	5	45	150	0.6	10	5	45	125
MBR740	TO-220AC	7.5	40	150	0.84	100	15	40	150
MBR745	TO-220AC	7.5	45	150	0.84	100	15	45	150
MBR760	TO-220AC	7.5	60	150	0.75	50	7.5	60	150

Schottky Barrier Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)
MBR870	TO-220AC	8	70	125	0.85	100	8	70	150
MBR880	TO-220AC	8	80	125	0.85	100	8	80	150
MBR890	TO-220AC	8	90	125	0.85	100	8	90	150
MBR8100	TO-220AC	8	100	125	0.85	100	8	100	150
MBR10150	TO-220AC	10	150	150	0.9	100	10	150	150
MBR1040	TO-220AC	10	40	150	0.65	100	10	40	125
MBR1045	TO-220AC	10	45	150	0.65	100	10	45	125
MBR10100	TO-220AC	10	100	150	0.84	100	10	100	150
MBR1060S	TO-220AC	10	60	160	0.75	100	10	60	150
MBR1645	TO-220AC	16	45	150	0.63	500	16	45	150
MBR30150	TO-220AC	30	150	300	0.88	10	30	150	150
MBR20200PT	TO-247	20	200	250	0.9	10	10	200	175
MBR30100PT	TO-247	30	100	300	0.8	50	15	100	175
MBR30200PTS	TO-247	30	200	250	0.9	10	15	200	175
MBR40100PT	TO-247	40	100	400	0.8	50	20	100	150
MBR40100PTH	TO-247	40	100	400	0.83	10	20	100	175
MBR40200PTH	TO-247	40	200	40	0.9	50	40	200	175
MBR60150PT	TO-247	60	150	400	0.9	10	30	150	175
MBR60200PT	TO-247	60	200	450	0.9	20	30	200	150
MBR60200PTH	TO-247	60	200	500	0.83	50	30	200	175
MBR60200PTHS	TO-247	60	200	400	0.95	10	30	200	175
MBR6060PTHS	TO-247	60	60	320	0.75	100	30	60	175
MBR80150PT	TO-247	80	150	350	0.93	10	40	150	175
MBR80250PT	TO-247	80	250	350	0.95	10	40	250	175
MBR90150PT	TO-247	90	150	400	0.9	10	45	150	175
MBR90200PT	TO-247	90	200	400	1	10	45	200	175
MBR100150PT	TO-247	100	150	400	0.88	10	50	150	175
MBR100200PT	TO-247	100	200	500	0.9	10	50	200	175
MBRJL20120CTL	TO-262L	20	120	200	0.85	10	10	120	150
MBRL30P100	DFN5060	30	100	250	0.85	100	30	100	150
SS14FL	DO-221AC	1	40	30	0.5	100	1	40	125
SS16FL	DO-221AC	1	60	30	0.7	100	1	60	150
SS110FL	DO-221AC	1	100	30	0.85	10	1	100	150
SS1200FL	DO-221AC	1	200	30	0.9	10	1	200	150
SL24FL	DO-221AC	2	40	50	0.47	100	2	40	150
SL26FL	DO-221AC	2	60	50	0.55	100	2	60	150
SL210FL	DO-221AC	2	100	50	0.75	100	2	100	150
SS220FL	DO-221AC	2	200	50	0.9	10	2	200	150
SS24FL	DO-221AC	2	40	50	0.5	100	2	40	125
SS26FL	DO-221AC	2	60	50	0.7	100	2	60	150
SS210FL	DO-221AC	2	100	50	0.85	10	2	100	150
SK310AFLH	DO-221AC	3	100	70	0.835	5	3	100	175
SK3150AFLH	DO-221AC	3	150	70	0.875	5	3	150	175
SK3200AFLH	DO-221AC	3	200	70	0.875	5	3	200	175

Diodes

Schottky Barrier Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)
SK3200AFL	DO-221AC	3	200	80	0.86	10	3	200	150
SK34AFL	DO-221AC	3	40	80	0.5	100	3	40	125
SK345AFL	DO-221AC	3	45	80	0.5	100	3	45	125
SK36AFL	DO-221AC	3	60	80	0.7	100	3	60	150
SK310AFL	DO-221AC	3	100	80	0.85	100	3	100	150
SL34AFL	DO-221AC	3	40	60	0.45	100	3	40	150
SL36AFL	DO-221AC	3	60	60	0.5	100	3	60	150
SL310AFL	DO-221AC	3	100	60	0.6	100	3	100	150
SK53AFL	DO-221AC	5	30	100	0.55	100	5	30	125
SK54AFL	DO-221AC	5	40	100	0.55	100	5	40	125
SK56AFL	DO-221AC	5	60	100	0.7	100	5	60	150
SK510AFL	DO-221AC	5	100	100	0.85	10	5	100	150
SK5150AFL	DO-221AC	5	150	100	0.87	10	5	150	175
SK5200AFL	DO-221AC	5	200	100	0.9	10	5	200	175
SL54AFL	DO-221AC	5	40	100	0.45	100	5	40	150
SL56AFL	DO-221AC	5	60	100	0.5	100	5	60	150
SL510AFL	DO-221AC	5	100	100	0.7	100	5	100	150
SL13PL	SOD-123FL	1	30	50	0.36	1500	1	30	150
SL14PL	SOD-123FL	1	40	28	0.4	100	1	40	150
SL16PL	SOD-123FL	1	60	28	0.55	100	1	60	150
SL110PL	SOD-123FL	1	100	28	0.6	100	1	100	150
SM5817PL	SOD-123FL	1	20	30	0.45	50	1	20	125
SM5818PL	SOD-123FL	1	30	30	0.53	50	1	30	125
SM5819PL	SOD-123FL	1	40	30	0.53	50	1	40	125
SMD16PL	SOD-123FL	1	60	30	0.7	100	1	60	150
SMD18PL	SOD-123FL	1	80	30	0.85	10	1	80	150
SMD110PL	SOD-123FL	1	100	30	0.85	10	1	100	150
SMD1150PL	SOD-123FL	1	150	30	0.85	10	1	150	150
SMD1200PL	SOD-123FL	1	200	30	0.95	10	1	200	150
SSL16PL	SOD-123FL	1	60	30	0.45	65	1	60	150
SL24PL	SOD-123FL	2	40	50	0.47	100	2	40	150
SL26PL	SOD-123FL	2	60	50	0.55	100	2	60	150
SL210PL	SOD-123FL	2	100	50	0.72	100	2	100	150
SMD210HPL	SOD-123FL	2	100	50	0.85	5	2	100	175
SMD2150PL	SOD-123FL	2	150	50	0.9	10	2	150	150
SMD220PL	SOD-123FL	2	200	50	0.9	10	2	200	150
SMD22PL	SOD-123FL	2	20	50	0.5	100	2	20	125
SMD24PL	SOD-123FL	2	40	50	0.5	100	2	40	125
SMD26PL	SOD-123FL	2	60	50	0.7	100	2	60	150
SMD210PL	SOD-123FL	2	100	50	0.85	10	2	100	150
SL32PL	SOD-123FL	3	20	80	0.45	200	3	20	125
SMD34PL	SOD-123FL	3	40	80	0.5	100	3	40	125
SMD36PL	SOD-123FL	3	60	80	0.65	100	3	60	150
SMD310PL	SOD-123FL	3	100	80	0.85	10	3	100	150

Schottky Barrier Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)
SMD315PL	SOD-123FL	3	150	80	0.9	10	3	150	150
SMD320PL	SOD-123FL	3	200	80	0.9	10	3	200	150
SMD33LHE1	SOD-123HE1	3	30	80	0.42	120	3	30	150
SMD34HE1	SOD-123HE1	3	40	80	0.52	50	3	40	125
SMD36HE1	SOD-123HE1	3	60	80	0.65	50	3	60	150
SMD310HE1	SOD-123HE1	3	100	80	0.8	10	3	100	150
SMD320HE1	SOD-123HE1	3	200	80	0.85	10	3	200	150
SMD14HL	SOD-123HL	1	40	30	0.5	100	1	40	125
SMD16HL	SOD-123HL	1	60	30	0.7	100	1	60	150
SMD110HL	SOD-123HL	1	100	30	0.85	10	1	100	150
SMD120HL	SOD-123HL	1	200	30	0.9	10	1	200	150
SL24HL	SOD-123HL	2	40	50	0.47	100	2	40	150
SL26HL	SOD-123HL	2	60	50	0.55	100	2	60	150
SL210HL	SOD-123HL	2	100	50	0.75	100	2	100	150
SMD24HL	SOD-123HL	2	40	50	0.5	100	2	40	125
SMD26HL	SOD-123HL	2	60	50	0.7	100	2	60	150
SMD210HL	SOD-123HL	2	100	50	0.85	10	2	100	150
SMD220HL	SOD-123HL	2	200	50	0.9	10	2	200	150
SL34HL	SOD-123HL	3	40	60	0.45	100	3	40	150
SL36HL	SOD-123HL	3	60	60	0.5	100	3	40	150
SL310HL	SOD-123HL	3	100	60	0.6	100	3	100	150
SMD34HL	SOD-123HL	3	40	80	0.5	100	3	40	125
SMD36HL	SOD-123HL	3	60	80	0.7	100	3	60	150
SMD310HL	SOD-123HL	3	100	80	0.85	10	3	100	150
SMD320HL	SOD-123HL	3	200	80	0.9	10	3	200	150
SMD110PLS	SOD-123TFL	1	100	30	0.85	10	1	100	150
SL145PE	SOD-323HE	1	45	25	0.4	200	0.5	45	150
SL16PE	SOD-323HE	1	60	25	0.45	100	0.5	60	150
SMD110PE	SOD-323HE	1	100	30	0.85	10	1	100	175
SMD120PE	SOD-323HE	1	200	30	0.9	10	1	100	175
SMD14PE	SOD-323HE	1	40	30	0.52	50	1	40	150
SMD16PE	SOD-323HE	1	60	30	0.7	50	1	60	150
SMD23PE	SOD-323HE	2	30	30	0.6	50	2	30	150
SMD14PB	SOD-323HE-B	1	40	30	0.5	100	1	40	125
SMD16PB	SOD-323HE-B	1	60	30	0.7	100	1	60	150
SMD110PB	SOD-323HE-B	1	100	30	0.85	10	1	100	150
SMD120PB	SOD-323HE-B	1	200	30	0.9	10	1	200	150
SS14HL	SOD-323HL	1	40	30	0.55	500	1	40	125
SS16HL	SOD-323HL	1	60	25	0.7	100	1	60	150
SS110HL	SOD-323HL	1	100	25	0.85	10	1	100	150
SS120HL	SOD-323HL	1	200	25	0.9	10	1	200	150
SS24HL	SOD-323HL	2	40	35	0.6	50	2	40	150
SMD14HT	SOD-323HT	1	40	30	0.55	100	1	40	125
SL14A	SMA	1	40	28	0.4	100	1	40	150

Diodes

Schottky Barrier Rectifiers

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		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)
SL16A	SMA	1	60	28	0.55	100	1	60	150
SL110A	SMA	1	100	28	0.6	100	1	100	150
SS12-L	SMA	1	20	30	0.5	100	1	20	125
SS13-L	SMA	1	30	30	0.5	100	1	30	125
SS14-L	SMA	1	40	30	0.5	100	1	40	125
SS15-L	SMA	1	50	30	0.7	100	1	50	150
SS16-L	SMA	1	60	30	0.7	100	1	60	150
SS18-L	SMA	1	80	30	0.85	10	1	80	150
SS110-L	SMA	1	100	30	0.85	10	1	100	150
SS1150-L	SMA	1	150	30	0.9	10	1	150	150
SS1200-L	SMA	1	200	30	0.92	10	1	200	150
SS13L-L	SMA	1	30	40	0.5	20	1	30	150
SK225L	SMA	2	25	50	0.55	500	2	25	125
SL24A	SMA	2	40	50	0.47	100	2	40	150
SL26A	SMA	2	60	50	0.55	100	2	60	150
SL210A	SMA	2	100	50	0.75	100	2	100	150
SS210H-L	SMA	2	100	50	0.85	5	2	100	175
SS23-L	SMA	2	30	50	0.5	100	2	30	125
SS24-L	SMA	2	40	50	0.5	100	2	40	125
SS26-L	SMA	2	60	50	0.7	100	2	60	150
SS210-L	SMA	2	100	50	0.85	10	2	100	150
SS2150-L	SMA	2	150	50	0.9	10	2	150	150
SS220-L	SMA	2	200	50	0.9	10	2	200	150
SK3150A-L	SMA	3	150	80	0.86	10	3	150	175
SK3200A-L	SMA	3	200	80	0.86	10	3	200	175
SK32A-L	SMA	3	20	80	0.5	100	3	20	125
SK33A-L	SMA	3	30	80	0.5	100	3	30	125
SK34A-L	SMA	3	40	80	0.5	100	3	40	125
SK345A-L	SMA	3	45	80	0.5	100	3	45	125
SK36A-L	SMA	3	60	80	0.7	100	3	60	150
SK38A-L	SMA	3	80	80	0.85	100	3	80	150
SK310A-L	SMA	3	100	80	0.85	100	3	100	150
SK34AL-TPS02	SMA	3	40	90	0.43	100	3	40	125
SL345A	SMA	3	45	60	0.45	100	3	45	150
SL34A	SMA	3	40	60	0.45	100	3	40	150
SL36A	SMA	3	60	60	0.5	100	3	60	150
SL310A	SMA	3	100	60	0.6	100	3	100	150
SK53A-L	SMA	5	30	100	0.55	100	5	30	150
SK54A-L	SMA	5	40	100	0.55	100	5	40	150
SK56A-L	SMA	5	60	100	0.7	100	5	60	150
SK510A-L	SMA	5	100	100	0.85	10	5	100	150
SK5150A-L	SMA	5	150	100	0.9	10	5	150	150
SK5200A-L	SMA	5	200	100	0.9	10	5	200	150
SL56A	SMA	5	60	100	0.55	100	5	60	150

Schottky Barrier Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)
SK14-L	SMB	1	40	30	0.5	100	1	40	125
SK16-L	SMB	1	60	30	0.7	100	1	60	150
SK110-L	SMB	1	100	30	0.85	10	1	100	150
SK1200-L	SMB	1	200	30	0.9	10	1	200	150
SL115B	SMB	1	15	50	0.29	10000	1	15	100
SK23-L	SMB	2	30	50	0.5	100	2	30	125
SK24-L	SMB	2	40	50	0.5	100	2	40	125
SK26-L	SMB	2	60	50	0.7	100	2	60	150
SK210-L	SMB	2	100	50	0.85	10	2	100	150
SK2150-L	SMB	2	150	50	0.9	10	2	150	150
SK220-L	SMB	2	200	50	0.9	10	2	200	150
SL215B	SMB	2	15	75	0.33	10000	2	15	100
SL24B	SMB	2	40	50	0.47	100	2	40	150
SL26B	SMB	2	60	50	0.55	100	2	60	150
SL210B	SMB	2	100	50	0.75	100	2	100	150
SK310BH-L	SMB	3	100	100	0.85	5	3	100	175
SK3150B-L	SMB	3	150	80	0.86	10	3	150	175
SK3200B-L	SMB	3	200	100	0.86	2	3	200	175
SK34B-L	SMB	3	40	100	0.5	100	3	40	125
SK36B-L	SMB	3	60	100	0.75	100	3	60	150
SK310B-L	SMB	3	100	100	0.85	100	3	100	175
SK36BH-L	SMB	3	60	100	0.75	100	3	60	175
SL34B	SMB	3	40	60	0.45	100	3	40	150
SL36B	SMB	3	60	60	0.5	100	3	60	150
SL310B	SMB	3	100	60	0.6	100	3	100	150
SK43BL	SMB	4	30	100	0.45	100	4	30	150
SK44BL	SMB	4	40	100	0.45	100	4	40	150
SK510BH-L	SMB	5	100	100	0.85	5	5	100	175
SK54B-L	SMB	5	40	100	0.55	100	5	40	150
SK56B-L	SMB	5	60	100	0.7	100	5	60	150
SK510B-L	SMB	5	100	100	0.85	10	5	100	150
SK5150B-L	SMB	5	150	100	0.87	10	5	150	150
SK520B-L	SMB	5	200	100	0.9	10	5	200	150
SL54B	SMB	5	40	100	0.45	100	5	40	150
SL56B	SMB	5	60	100	0.5	100	5	60	150
SL510B	SMB	5	100	100	0.65	100	5	100	150
SK34BFL	SMBF	3	40	70	0.5	100	3	40	125
SK36BFL	SMBF	3	60	70	0.7	100	3	60	150
SK310BFL	SMBF	3	100	70	0.85	10	3	100	150
SK320BFL	SMBF	3	200	70	0.9	10	3	200	150
SL310BFL	SMBF	3	100	60	0.6	100	3	100	150
SL34BFL	SMBF	3	40	60	0.45	200	3	40	150
SL36BFL	SMBF	3	60	60	0.5	200	3	60	150
SK510BFL	SMBF	5	100	120	0.85	5	5	100	175

Diodes

Schottky Barrier Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)
SK520BFL	SMBF	5	200	100	0.9	10	5	200	150
SK54BFL	SMBF	5	40	100	0.6	100	5	40	125
SK56BFL	SMBF	5	60	100	0.7	100	5	60	150
SL545BFL	SMBF	5	45	120	0.45	500	5	45	150
SL56BFL	SMBF	5	60	120	0.5	500	5	60	150
SK310H	SMC	3	100	100	0.78	10	3	100	175
SK3150	SMC	3	150	80	0.86	10	3	150	175
SK3200	SMC	3	200	100	0.86	10	3	200	175
SK33	SMC	3	30	100	0.5	100	3	30	150
SK34	SMC	3	40	100	0.5	100	3	40	150
SK36	SMC	3	60	100	0.75	100	3	60	150
SK310	SMC	3	100	100	0.85	100	3	100	150
SK4200L	SMC	4	200	100	0.86	10	4	200	150
SK44L	SMC	4	40	150	0.45	100	4	40	125
SK5150L	SMC	5	150	150	0.87	10	5	150	150
SK5200L	SMC	5	200	150	0.9	10	5	200	150
SK54L	SMC	5	40	100	0.55	100	5	40	150
SK56L	SMC	5	60	100	0.75	100	5	60	150
SK510L	SMC	5	100	100	0.85	10	5	100	150
SL54	SMC	5	40	100	0.45	100	5	40	150
SL56	SMC	5	60	100	0.5	100	5	60	150
SL510	SMC	5	100	100	0.7	100	5	100	150
SK645L	SMC	6	45	150	0.65	100	6	45	150
SK610L	SMC	6	100	150	0.85	100	6	100	150
SK84L	SMC	8	40	200	0.65	100	8	40	150
SK86L	SMC	8	60	200	0.65	100	8	60	150
SK810L	SMC	8	100	200	0.8	100	8	100	150
SK1010H-L	SMC	10	100	150	0.82	10	10	100	175
SK1045-L	SMC	10	45	250	0.55	200	10	45	150
SK1545-L	SMC	15	45	300	0.55	200	15	45	125
MBR3U200	TO-277	3	200	240	0.85	50	3	200	150
MBR5U100	TO-277	5	100	120	0.6	100	5	100	150
MBR5U100H	TO-277	5	100	240	0.8	10	5	100	175
MBR5U45	TO-277	5	45	130	0.47	200	5	45	150
MBR5U60	TO-277	5	60	150	0.55	100	5	60	150
MBR8U45	TO-277	8	45	150	0.47	200	8	45	150
MBR8U60	TO-277	8	60	200	0.5	200	8	60	150
MBR8U60A	TO-277	8	60	150	0.53	200	8	60	150
MBR10U100H	TO-277	10	100	240	0.85	10	10	100	175
MBR10U150	TO-277	10	150	200	0.79	100	10	150	150
MBR10U200	TO-277	10	200	240	0.9	5	10	200	175
MBR10U45L	TO-277	10	45	275	0.47	500	10	50	150
MBR10U60	TO-277	10	60	275	0.5	350	10	60	150
MBR12U100	TO-277	12	100	180	0.625	500	12	100	150

Schottky Barrier Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)
MBR12U100L	TO-277	12	100	180	0.6	500	12	100	150
MBR15U100	TO-277	15	100	275	0.85	100	15	100	150
MBR15U100L	TO-277	15	100	200	0.69	200	15	100	150
MBR15U150	TO-277	15	150	250	0.84	100	15	150	150
MBR15U45	TO-277	15	45	275	0.47	500	15	45	150
MBR15U60	TO-277	15	60	300	0.5	500	15	50	150
MBR20U100L	TO-277	20	100	300	0.7	100	20	100	150
MBR20U45	TO-277	20	45	300	0.5	500	20	45	150
MBRBF20200CT	TO-263AC	20	200	130	1.3	10	10	200	175
MBRBFL20100CT	TO-263AC	20	100	150	0.75	20	10	100	150
MBRBFL2045CT	TO-263AC	20	45	150	0.6	100	10	45	150
MBRBFL2060CT	TO-263AC	20	60	150	0.65	100	10	60	150
MBRBF30200CT	TO-263AC	30	200	260	0.93	10	15	200	175
MBRBFL30100CT	TO-263AC	30	100	200	0.75	30	15	100	150
MBRBFL3045CT	TO-263AC	30	45	200	0.6	100	15	45	150
MBRBFL3060CT	TO-263AC	30	60	150	0.7	100	15	60	150
MBRBFL40150CT	TO-263AC	40	150	300	0.85	10	20	150	150
MBRD5100	DPAK	5	100	80	0.72	50	5	100	150
MBRD5100HL	DPAK	5	100	100	0.73	3.5	5	100	175
MBRD5200	DPAK	5	200	130	0.86	5	5	200	150
MBRD5200CT	DPAK	5	200	140	0.84	5	2.5	200	150
MBRD5200H	DPAK	5	200	120	0.9	10	5	200	175
MBRD6100CT	DPAK	6	100	78	0.74	10	3	100	150
MBRD640CT	DPAK	6	40	78	0.54	100	3	40	150
MBRD660CT	DPAK	6	60	80	0.74	50	3	60	150
MBRD845C	DPAK	8	45	150	0.51	100	8	45	150
MBRD10100CTH	DPAK	10	100	120	0.8	10	5	100	175
MBRD10150CTH	DPAK	10	150	120	0.85	10	5	150	175
MBRD10200CTH	DPAK	10	200	120	0.9	10	5	200	175
MBRD10150CTS	DPAK	10	150	100	0.88	10	5	150	150
MBRD10200CTS	DPAK	10	200	100	0.93	10	5	200	150
MBRD10150CT	DPAK	10	150	100	0.92	10	5	150	150
MBRD10200CT	DPAK	10	200	100	0.92	10	5	200	150
MBRD1045CT	DPAK	10	45	150	0.65	100	5	45	150
MBRD1060CT	DPAK	10	60	150	0.75	100	5	60	150
MBRD10100CT	DPAK	10	100	150	0.85	10	5	100	150
MBRD1045C	DPAK	10	45	150	0.51	100	10	45	150
MBRD1230CT	DPAK	12	30	150	0.47	100	6	30	150
MBRD1245CT	DPAK	12	45	150	0.47	100	6	45	150
MBRD1560	DPAK	15	60	150	0.75	100	15	60	150
MBRD15100	DPAK	15	100	150	0.84	100	15	100	150
MBRD20100CTH	DPAK	20	100	130	0.85	10	10	100	175
MBRD20150CTH	DPAK	20	150	130	0.85	10	10	150	175
MBRD20200CTH	DPAK	20	200	130	0.9	10	10	200	175

Diodes

Schottky Barrier Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)
MBRD2045CT	DPAK	20	45	130	0.63	100	10	45	150
MBRD2060CT	DPAK	20	60	125	0.75	100	10	60	150
MBRDL20100CT	DPAK	20	100	250	0.72	100	10	100	150
MBRDL2060CT	DPAK	20	60	125	0.6	100	10	60	150
MBRB8100H	D2-PAK	8	100	300	0.7	10	8	100	175
MBRB10100CT	D2-PAK	10	100	150	0.85	10	5	100	150
MBRB10150CT	D2-PAK	10	150	120	0.92	10	5	150	150
MBRB1040	D2-PAK	10	40	150	0.6	100	10	40	150
MBRB1060	D2-PAK	10	60	150	0.75	100	10	60	150
MBRB10100	D2-PAK	10	100	150	0.85	100	10	100	150
MBRB10150	D2-PAK	10	150	150	0.9	100	10	150	150
MBRB10200	D2-PAK	10	200	150	0.95	100	10	200	150
MBRB10200CT	D2-PAK	10	200	150	0.9	10	5	200	150
MBRB1045CT	D2-PAK	10	45	125	0.55	100	5	45	125
MBRB1060CT	D2-PAK	10	60	125	0.55	100	5	60	125
MBRB1060CTH	D2-PAK	10	60	150	0.72	50	5	60	175
MBRB10100CTH	D2-PAK	10	100	150	0.8	50	5	100	175
MBRB10150CTH	D2-PAK	10	150	150	0.85	50	5	150	175
MBRB10200CTH	D2-PAK	10	200	150	0.9	50	5	200	175
MBRB3060CTS	D2-PAK	15	60	200	0.75	100	15	60	150
MBRB1645CT	D2-PAK	16	45	150	0.65	100	8	45	150
MBRB1660CT	D2-PAK	16	60	150	0.75	100	8	60	150
MBRB20100CTH	D2-PAK	20	100	200	0.8	10	10	100	175
MBRB20150CTH	D2-PAK	20	150	200	0.85	10	10	150	175
MBRB20200CTH	D2-PAK	20	200	200	0.9	10	10	200	175
MBRB20150CT	D2-PAK	20	150	130	0.9	10	10	150	150
MBRB20200CT	D2-PAK	20	200	150	0.95	10	10	200	150
MBRB20200CTHS	D2-PAK	20	200	130	0.95	10	10	200	175
MBRB20300CT	D2-PAK	20	300	200	0.975	50	10	300	150
MBRB2045CT	D2-PAK	20	45	150	0.65	100	10	45	150
MBRB2060CT	D2-PAK	20	60	150	0.75	100	10	60	150
MBRB20100CT	D2-PAK	20	100	150	0.85	100	10	100	150
MBRBL20100CT	D2-PAK	20	100	150	0.72	100	10	100	150
MBRBL20150CT	D2-PAK	20	150	160	0.84	50	10	150	150
MBRBL20200CT	D2-PAK	20	200	150	0.88	50	5	200	150
MBRBL2045CT	D2-PAK	20	45	180	0.55	100	10	45	150
MBRBL20U100CT	D2-PAK	20	100	250	0.65	100	10	100	150
MBRB2545CT	D2-PAK	25	45	150	0.65	200	12.5	45	150
MBRB30100CT	D2-PAK	30	100	250	0.85	10	15	100	150
MBRB30100CTH	D2-PAK	30	100	250	0.8	10	15	100	175
MBRB30150CTH	D2-PAK	30	150	250	0.85	10	15	150	175
MBRB30200CTH	D2-PAK	30	200	250	0.9	10	15	200	175
MBRB30150CT	D2-PAK	30	150	200	0.9	20	15	150	150
MBRB30300CTH	D2-PAK	30	300	250	1.3	10	15	300	175

Schottky Barrier Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature
		I_F (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)
MBRB3045CT	D2-PAK	30	45	250	0.6	100	15	45	150
MBRB3060CT	D2-PAK	30	60	250	0.72	100	15	60	150
MBRB3045CTH	D2-PAK	30	45	350	0.63	50	15	45	175
MBRBL30150CT	D2-PAK	30	150	220	0.84	100	15	150	150
MBRBL30200CT	D2-PAK	30	200	220	0.88	100	15	200	150
MBRBL3045CT	D2-PAK	30	45	200	0.53	200	15	45	150
MBRBL3060CT	D2-PAK	30	60	240	0.63	100	15	60	150
MBRBL30U100CT	D2-PAK	30	100	320	0.64	100	15	100	150
MBRB40100CTH	D2-PAK	40	100	300	0.85	10	20	100	175
MBRB40200CTH	D2-PAK	40	200	300	0.9	10	20	200	175
MBRB40250C	D2-PAK	40	250	450	1	10	40	250	150
MBRBL40100CT	D2-PAK	40	100	300	0.71	80	20	100	150
MBRBL40120CT	D2-PAK	40	120	300	0.82	100	20	120	125
MBRBL40U60CT	D2-PAK	40	60	300	0.53	200	20	60	150
MBRB60100CT	D2-PAK	60	100	400	0.85	20	30	100	150
MBRB60250CT	D2-PAK	60	250	350	0.95	10	30	250	150

Bridge Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature	Number of Functions
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)	
MB0540SLP	DFN3030-4L	0.5	40	8	0.5	10	0.5	40	150	1-Phase Bridge
LMB14S	LMBS-1	1	40	30	0.55	100	0.5	40	150	1-Phase Bridge
LMB16S	LMBS-1	1	60	30	0.65	100	0.5	60	150	1-Phase Bridge
LMB110S	LMBS-1	1	100	30	0.85	10	0.5	100	150	1-Phase Bridge
LMB6S	LMBS-1	1	600	30	0.95	5	0.4	600	150	1-Phase Bridge
LMB8S	LMBS-1	1	800	30	0.95	5	0.4	800	150	1-Phase Bridge
LMB10S	LMBS-1	1	1000	30	0.95	5	0.4	1000	150	1-Phase Bridge
SLMB2S	LMBS-1	1	200	30	0.95	10	0.5	200	150	1-Phase Bridge
SLMB4S	LMBS-1	1	400	30	1.3	10	0.5	400	150	1-Phase Bridge
SLMB6S	LMBS-1	1	600	30	1.7	10	0.5	600	150	1-Phase Bridge
FLMB207S	LMBS-1	2	1000	60	1.3	5	1	1000	150	1-Phase Bridge
LMB205SL	LMBS-1	2	600	65	0.95	5	1	600	150	1-Phase Bridge
LMB206SL	LMBS-1	2	800	65	0.95	5	1	800	150	1-Phase Bridge
LMB207SL	LMBS-1	2	1000	65	0.95	5	1	1000	150	1-Phase Bridge
LMB205S	LMBS-1	2	600	60	0.95	5	1	600	150	1-Phase Bridge
LMB206S	LMBS-1	2	800	60	0.95	5	1	800	150	1-Phase Bridge

Diodes

Bridge Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature	Number of Functions
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)	
LMB207S	LMBS-1	2	1000	60	0.95	5	1	1000	150	1-Phase Bridge
LMB24S	LMBS-1	2	40	50	0.5	100	1	40	125	1-Phase Bridge
LMB26S	LMBS-1	2	60	50	0.7	100	1	60	150	1-Phase Bridge
LMB210S	LMBS-1	2	100	50	0.85	10	1	100	150	1-Phase Bridge
LMB34S	LMBS-1	3	40	70	0.55	500	1.5	40	150	1-Phase Bridge
LMB36S	LMBS-1	3	60	70	0.65	500	1.5	60	150	1-Phase Bridge
LMB310S	LMBS-1	3	100	70	0.85	500	1.5	100	150	1-Phase Bridge
MB1S	MBS-1	0.5	100	35	1	5	0.4	100	150	1-Phase Bridge
MB4S	MBS-1	0.5	400	35	1	5	0.4	400	150	1-Phase Bridge
MB6S	MBS-1	0.5	600	35	1	5	0.4	600	150	1-Phase Bridge
MB8S	MBS-1	0.5	800	35	1	5	0.4	800	150	1-Phase Bridge
MB10S	MBS-1	0.5	1000	35	1	5	0.4	1000	150	1-Phase Bridge
MBL6S	MBLS-1	0.5	600	35	1	5	0.4	600	150	1-Phase Bridge
MBL8S	MBLS-1	0.5	800	35	1	5	0.4	800	150	1-Phase Bridge
MBL10S	MBLS-1	0.5	1000	35	1	5	0.4	1000	150	1-Phase Bridge
RMB6S	MBS-1	0.5	600	30	1.25	5	0.4	600	150	1-Phase Bridge
SDB105	SDB-1	1	600	30	1.1	10	0.5	600	150	1-Phase Bridge
SDB106	SDB-1	1	800	30	1.1	10	0.5	800	150	1-Phase Bridge
SDB107	SDB-1	1	1000	30	1.1	10	0.5	1000	150	1-Phase Bridge
SDB153	SDB-1	1.5	200	50	1.1	5	0.7	200	150	1-Phase Bridge
SDB155	SDB-1	1.5	600	50	1.1	5	0.7	600	150	1-Phase Bridge
SDB156	SDB-1	1.5	800	50	1.1	5	0.7	800	150	1-Phase Bridge
SDB157	SDB-1	1.5	1000	50	1.1	5	0.7	1000	150	1-Phase Bridge
SDB205	SDB-1	2	600	60	1.1	10	1	600	150	1-Phase Bridge
SDB206	SDB-1	2	800	60	1.1	10	1	800	150	1-Phase Bridge
SDB207	SDB-1	2	1000	60	1.1	10	1	1000	150	1-Phase Bridge
SDB307	SDB-1	3	1000	80	1	5	1.5	1000	150	1-Phase Bridge
SDB105L	SDBL-1	1	600	30	1.1	10	0.5	600	150	1-Phase Bridge
SDB106L	SDBL-1	1	800	30	1.1	10	0.5	800	150	1-Phase Bridge
SDB107L	SDBL-1	1	1000	30	1.1	10	0.5	1000	150	1-Phase Bridge
SDB155L	SDBL-1	1.5	600	50	1.1	10	0.7	600	150	1-Phase Bridge
SDB156L	SDBL-1	1.5	800	50	1.1	10	0.7	800	150	1-Phase Bridge
SDB157L	SDBL-1	1.5	1000	50	1.1	10	0.7	1000	150	1-Phase Bridge
SDB205L	SDBL-1	2	600	60	1.1	5	1	600	150	1-Phase Bridge
SDB206L	SDBL-1	2	800	60	1.1	5	1	800	150	1-Phase Bridge
SDB207L	SDBL-1	2	1000	60	1.1	5	1	1000	150	1-Phase Bridge
SDB307L	SDBL-1	3	1000	80	1	5	1.5	1000	150	1-Phase Bridge
DB105	DB-1	1	600	30	1	5	0.5	600	150	1-Phase Bridge
DB106	DB-1	1	800	30	1	5	0.5	800	150	1-Phase Bridge
DB107	DB-1	1	1000	30	1	5	0.5	1000	150	1-Phase Bridge
DB156	DB-1	1.5	800	50	1.1	10	0.7	800	150	1-Phase Bridge
DB157	DB-1	1.5	1000	50	1.1	10	0.7	1000	150	1-Phase Bridge
DB205	DB-1	2	600	60	1.1	10	1	600	150	1-Phase Bridge
DB206	DB-1	2	800	60	1.1	10	1	800	150	1-Phase Bridge

Bridge Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature	Number of Functions
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)	
DB207	DB-1	2	1000	60	1.1	10	1	1000	150	1-Phase Bridge
DB307	DB-1	3	1000	80	1	5	1.5	1000	150	1-Phase Bridge
DB105L	DBL-1	1	600	30	1	5	0.5	600	150	1-Phase Bridge
DB106L	DBL-1	1	800	30	1	5	0.5	800	150	1-Phase Bridge
DB107L	DBL-1	1	1000	30	1	5	0.5	1000	150	1-Phase Bridge
DB155L	DBL-1	1.5	600	45	1.1	10	0.7	600	150	1-Phase Bridge
DB156L	DBL-1	1.5	800	45	1.1	10	0.7	800	150	1-Phase Bridge
DB157L	DBL-1	1.5	1000	45	1.1	10	0.7	1000	150	1-Phase Bridge
DB205L	DBL-1	2	600	60	1.1	10	1	600	150	1-Phase Bridge
DB207L	DBL-1	2	1000	60	1.1	10	1	1000	150	1-Phase Bridge
DB307L	DBL-1	3	1000	80	1	5	1.5	1000	150	1-Phase Bridge
RTBL406	TBL	4	600	100	1.3	5	2	600	150	1-Phase Bridge
TBL406	TBL	4	600	120	0.95	5	2	600	150	1-Phase Bridge
TBL410	TBL	4	1000	120	0.95	5	2	1000	150	1-Phase Bridge
TBL408L	TBL	4	800	150	0.92	5	2	800	150	1-Phase Bridge
RTBL610	TBL	6	1000	150	1.3	5	3	1000	150	1-Phase Bridge
TBL610	TBL	6	1000	150	0.95	5	3	1000	150	1-Phase Bridge
TBL608L	TBL	6	800	200	0.92	5	3	800	150	1-Phase Bridge
TBL806	TBL	8	600	200	1	5	4	600	150	1-Phase Bridge
TBL808	TBL	8	800	200	1	5	4	800	150	1-Phase Bridge
TBL810	TBL	8	1000	200	1	5	4	1000	150	1-Phase Bridge
TBL808L	TBL	8	800	250	0.92	5	4	800	150	1-Phase Bridge
TBN1010	TBN	10	1000	250	1	5	5	1000	150	1-Phase Bridge
TBN1508L	TBN	15	800	400	0.92	5	7.5	800	150	1-Phase Bridge
TBN1510	TBN	15	1000	350	1	5	7.5	1000	150	1-Phase Bridge
TBS20J	TBS	2	600	75	1	5	1	600	150	1-Phase Bridge
TBS20K	TBS	2	800	75	1	5	1	800	150	1-Phase Bridge
TBS20M	TBS	2	1000	75	1	5	1	1000	150	1-Phase Bridge
TBS22J	TBS	2.2	600	90	0.95	5	1.1	600	150	1-Phase Bridge
TBS22K	TBS	2.2	800	90	0.95	5	1.1	800	150	1-Phase Bridge
TBS22M	TBS	2.2	1000	90	0.95	5	1.1	1000	150	1-Phase Bridge
RTBS30M	TBS	3	1000	90	1.3	5	1.5	1000	150	1-Phase Bridge
TBS30J	TBS	3	600	110	0.95	5	1.5	600	150	1-Phase Bridge
TBS30K	TBS	3	800	110	0.95	5	1.5	800	150	1-Phase Bridge
TBS30M	TBS	3	1000	110	0.95	5	1.5	1000	150	1-Phase Bridge
TBS30KL	TBS	3	800	95	0.96	5	3	800	150	1-Phase Bridge
RTBSA20M	TBSG	2	1000	75	1.3	5	1	1000	150	1-Phase Bridge
TBSA20M	TBSG	2	1000	80	1	5	1	1000	150	1-Phase Bridge
RTBSA30M	TBSG	3	1000	90	1.3	5	1.5	1000	150	1-Phase Bridge
TBSA30M	TBSG	3	1000	110	1	5	1.5	1000	150	1-Phase Bridge
RTBSA40M	TBSG	4	1000	120	1.3	5	2	1000	150	1-Phase Bridge
TBSA40M	TBSG	4	1000	120	1	5	2	1000	150	1-Phase Bridge
RTBSA60M	TBSG	6	1000	150	1.3	5	3	1000	150	1-Phase Bridge
TBSA60M	TBSG	6	1000	150	1	5	3	1000	150	1-Phase Bridge

Bridge Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature	Number of Functions
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)	
UD2KB60	D3K	2	600	60	1	5	1	600	150	1-Phase Bridge
UD2KB80	D3K	2	800	60	1	5	1	800	150	1-Phase Bridge
UD2KB100	D3K	2	1000	60	1	5	1	1000	150	1-Phase Bridge
UD3KB60	D3K	3	600	90	1	5	1.5	600	150	1-Phase Bridge
UD3KB80	D3K	3	800	90	1	5	1.5	800	150	1-Phase Bridge
UD3KB100	D3K	3	1000	90	1	5	1.5	1000	150	1-Phase Bridge
UD4KB60	D3K	4	600	130	1	5	2	600	150	1-Phase Bridge
UD4KB80	D3K	4	800	130	1	5	2	800	150	1-Phase Bridge
UD4KB100	D3K	4	1000	130	1	5	2	1000	150	1-Phase Bridge
UD6KB60	D3K	6	600	170	1	5	3	600	150	1-Phase Bridge
UD6KB80	D3K	6	800	170	1	5	3	800	150	1-Phase Bridge
UD6KB100	D3K	6	1000	170	1	5	3	1000	150	1-Phase Bridge
UD8KB60	D3K	8	600	175	0.95	5	4	600	150	1-Phase Bridge
UD8KB80	D3K	8	800	175	0.95	5	4	800	150	1-Phase Bridge
UD8KB80L	D3K	8	800	170	0.92	5	4	800	150	1-Phase Bridge
UD8KB100	D3K	8	1000	175	0.95	5	4	1000	150	1-Phase Bridge
GBJ606	GBJ	6	600	170	1	5	3	600	150	1-Phase Bridge
GBJ608	GBJ	6	800	170	1	5	3	800	150	1-Phase Bridge
GBJ610	GBJ	6	1000	170	1	5	3	1000	150	1-Phase Bridge
GBJ806	GBJ	8	600	170	1	5	4	600	150	1-Phase Bridge
GBJ808	GBJ	8	800	170	1	5	4	800	150	1-Phase Bridge
GBJ810	GBJ	8	1000	170	1	5	4	1000	150	1-Phase Bridge
EGBJ1006	GBJ	10	600	175	1.7	5	5	600	150	1-Phase Bridge
GBJ1006	GBJ	10	600	170	1.05	10	5	600	150	1-Phase Bridge
GBJ1008	GBJ	10	800	170	1.05	10	5	800	150	1-Phase Bridge
GBJ1010	GBJ	10	1000	170	1.05	10	5	1000	150	1-Phase Bridge
GBJ1010S	GBJ	10	1000	175	1	5	5	1000	150	1-Phase Bridge
EGBJ1506	GBJ	15	600	180	2	5	7.5	600	150	1-Phase Bridge
GBJ1506	GBJ	15	600	240	1	5	7.5	600	150	1-Phase Bridge
GBJ1508	GBJ	15	800	240	1	5	7.5	800	150	1-Phase Bridge
GBJ1510	GBJ	15	1000	240	1	5	7.5	1000	150	1-Phase Bridge
GBJ1506L	GBJ	15	600	380	0.92	5	7.5	600	150	1-Phase Bridge
GBJ1508L	GBJ	15	800	380	0.92	5	7.5	800	150	1-Phase Bridge
GBJ1510S	GBJ	15	1000	250	1	5	7.5	1000	150	1-Phase Bridge
GBJ15L06	GBJ	15	600	250	0.92	5	7.5	600	150	1-Phase Bridge
GBJ15L08	GBJ	15	800	250	0.92	5	7.5	800	150	1-Phase Bridge
EGBJ2006	GBJ	20	600	180	2	5	10	600	150	1-Phase Bridge
GBJ2006	GBJ	20	600	240	1	5	10	600	150	1-Phase Bridge
GBJ2008	GBJ	20	800	240	1	5	10	800	150	1-Phase Bridge
GBJ2010	GBJ	20	1000	240	1	5	10	1000	150	1-Phase Bridge
GBJ2010S	GBJ	20	1000	280	1	5	10	1000	150	1-Phase Bridge
EGBJ2506	GBJ	25	600	220	2	5	12.5	600	150	1-Phase Bridge
GBJ2506	GBJ	25	600	350	1	5	12.5	600	150	1-Phase Bridge
GBJ2508	GBJ	25	800	350	1	5	12.5	800	150	1-Phase Bridge

Bridge Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature	Number of Functions
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)	
GBJ2510	GBJ	25	1000	350	1	5	12.5	1000	150	1-Phase Bridge
GBJ2508L	GBJ	25	800	550	0.92	5	12.5	800	150	1-Phase Bridge
GBJ2510H	GBJ	25	1600	400	1.2	10	12.5	1600	150	1-Phase Bridge
GBJ2510S	GBJ	25	1000	320	1	5	12.5	1000	150	1-Phase Bridge
GBJ2516	GBJ	25	1600	320	1.1	5	12.5	1600	150	1-Phase Bridge
GBJ25L06	GBJ	25	600	360	0.92	5	12.5	600	150	1-Phase Bridge
GBJ25L08	GBJ	25	800	360	0.92	5	12.5	800	150	1-Phase Bridge
GBJ25L08A	GBJ	25	800	380	0.9	5	12.5	800	150	1-Phase Bridge
EGBJ3506	GBJ	35	600	350	2	5	17.5	600	150	1-Phase Bridge
GBJ3506	GBJ	35	600	400	1.05	10	17.5	600	150	1-Phase Bridge
GBJ3508	GBJ	35	800	400	1.05	10	17.5	800	150	1-Phase Bridge
GBJ3510	GBJ	35	1000	400	1.05	10	17.5	1000	150	1-Phase Bridge
GBJ3508L	GBJ	35	800	450	0.95	5	17.5	800	150	1-Phase Bridge
GBJ3510S	GBJ	35	1000	350	1.05	5	17.5	1000	150	1-Phase Bridge
GBJ3516	GBJ	35	1600	350	1.1	5	17.5	1600	150	1-Phase Bridge
GBJ35L08	GBJ	35	800	400	0.92	5	17.5	800	150	1-Phase Bridge
EGBJ5006	GBJ	50	600	380	2	5	25	600	150	1-Phase Bridge
GBJ5006	GBJ	50	600	400	1	5	25	600	150	1-Phase Bridge
GBJ5008	GBJ	50	800	400	1	5	25	800	150	1-Phase Bridge
GBJ5010	GBJ	50	1000	400	1	5	25	1000	150	1-Phase Bridge
GBJ5006L	GBJ	50	600	420	0.97	5	25	600	150	1-Phase Bridge
GBJ5010S	GBJ	50	1000	500	1	5	25	1000	150	1-Phase Bridge
GBJ5016	GBJ	50	1600	500	1.1	5	25	1600	150	1-Phase Bridge
GBL206	GBL	2	600	90	1	5	1	600	150	1-Phase Bridge
GBL208	GBL	2	800	90	1	5	1	800	150	1-Phase Bridge
GBL210	GBL	2	1000	90	1	5	1	1000	150	1-Phase Bridge
GBL210S	GBL	2	1000	90	1	5	1	1000	150	1-Phase Bridge
GBL406-BPC01	GBL	4	600	150	1	5	2	600	150	1-Phase Bridge
GBL408-BPC01	GBL	4	800	150	1	5	2	800	150	1-Phase Bridge
GBL410-BPC01	GBL	4	1000	150	1	5	2	1000	150	1-Phase Bridge
GBL410S	GBL	4	1000	135	1	5	2	1000	150	1-Phase Bridge
GBL606	GBL	6	600	150	1	5	3	600	150	1-Phase Bridge
GBL608	GBL	6	800	150	1	5	3	800	150	1-Phase Bridge
GBL610	GBL	6	1000	150	1	5	3	1000	150	1-Phase Bridge
GBL610S	GBL	6	1000	150	1	5	3	1000	150	1-Phase Bridge
KBP206G	GBP	2	600	60	1	5	1	600	150	1-Phase Bridge
KBP208G	GBP	2	800	60	1	5	1	800	150	1-Phase Bridge
KBP210G	GBP	2	1000	60	1	5	1	1000	150	1-Phase Bridge
KBP210GS	GBP	2	1000	60	1	5	1	1000	150	1-Phase Bridge
KBP306G	GBP	3	600	80	1	5	1.5	600	150	1-Phase Bridge
KBP308G	GBP	3	800	80	1	5	1.5	800	150	1-Phase Bridge
KBP310G	GBP	3	1000	80	1	5	1.5	1000	150	1-Phase Bridge
KBP310GS	GBP	3	1000	90	1	5	1.5	1000	150	1-Phase Bridge
KBP406G	GBP	4	600	135	1	5	2	600	150	1-Phase Bridge

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Bridge Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature	Number of Functions
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)	
KBP408G	GBP	4	800	135	1	5	2	800	150	1-Phase Bridge
KBP410G	GBP	4	1000	135	1	5	2	1000	150	1-Phase Bridge
KBP410GS	GBP	4	1000	110	1	5	2	1000	150	1-Phase Bridge
RKBP410G	GBP	4	1000	130	1.3	5	2	1000	150	1-Phase Bridge
KBP810G	GBP	8	1000	170	1	5	4	1000	150	1-Phase Bridge
RKBP810G	GBP	8	1000	170	1.3	5	4	1000	150	1-Phase Bridge
GBU4J	GBU	4	600	135	1	5	2	600	150	1-Phase Bridge
GBU4K	GBU	4	800	135	1	5	2	800	150	1-Phase Bridge
GBU4M	GBU	4	1000	135	1	5	2	1000	150	1-Phase Bridge
GBU4JL	GBU	4	600	150	0.89	5	2	600	150	1-Phase Bridge
GBU4KL	GBU	4	800	150	0.89	5	2	800	150	1-Phase Bridge
GBU4MS	GBU	4	1000	135	1	5	2	1000	150	1-Phase Bridge
GBU6J	GBU	6	600	175	1	5	3	600	150	1-Phase Bridge
GBU6K	GBU	6	800	175	1	5	3	800	150	1-Phase Bridge
GBU6M	GBU	6	1000	175	1	5	3	1000	150	1-Phase Bridge
GBU6MS	GBU	6	1000	150	1	5	3	1000	150	1-Phase Bridge
RGBU6M	GBU	6	1000	150	1.3	5	3	1000	150	1-Phase Bridge
GBU8J	GBU	8	600	220	1	5	4	600	150	1-Phase Bridge
GBU8K	GBU	8	800	220	1	5	4	800	150	1-Phase Bridge
GBU8M	GBU	8	1000	220	1	5	4	1000	150	1-Phase Bridge
RGBU8M	GBU	8	1000	175	1.3	5	4	1000	150	1-Phase Bridge
EGBU1006	GBU	10	600	120	1.7	5	5	600	150	1-Phase Bridge
GBU10B	GBU	10	100	240	1	5	5	100	150	1-Phase Bridge
GBU10D	GBU	10	200	240	1	5	5	200	150	1-Phase Bridge
GBU10J	GBU	10	600	240	1	5	5	600	150	1-Phase Bridge
GBU10K	GBU	10	800	240	1	5	5	800	150	1-Phase Bridge
GBU10M	GBU	10	1000	240	1	5	5	1000	150	1-Phase Bridge
GBU10KL	GBU	10	800	200	0.92	5	5	800	150	1-Phase Bridge
GBU10MS	GBU	10	1000	175	1	5	5	1000	150	1-Phase Bridge
EGBU1506	GBU	15	600	180	2	5	7.5	600	150	1-Phase Bridge
GBU15J	GBU	15	600	240	1	5	7.5	600	150	1-Phase Bridge
GBU15K	GBU	15	800	240	1	5	7.5	800	150	1-Phase Bridge
GBU15M	GBU	15	1000	240	1	5	7.5	1000	150	1-Phase Bridge
GBU15KL	GBU	15	800	240	0.92	5	7.5	800	150	1-Phase Bridge
GBU15L06	GBU	15	600	250	0.92	5	7.5	600	150	1-Phase Bridge
GBU15L08	GBU	15	800	220	0.92	5	7.5	800	150	1-Phase Bridge
GBU15MS	GBU	15	1000	200	1	5	7.5	1000	150	1-Phase Bridge
EGBU2006	GBU	20	600	180	2	5	10	600	150	1-Phase Bridge
GBU2006	GBU	20	600	240	1	5	10	600	150	1-Phase Bridge
GBU2008	GBU	20	800	240	1	5	10	800	150	1-Phase Bridge
GBU2010	GBU	20	1000	240	1	5	10	1000	150	1-Phase Bridge
GBU2010S	GBU	20	1000	250	1	5	10	1000	150	1-Phase Bridge
EGBU2506	GBU	25	600	220	2	5	12.5	600	150	1-Phase Bridge
GBU2506	GBU	25	600	300	1	5	12.5	600	150	1-Phase Bridge

Bridge Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature	Number of Functions
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)	
GBU2508	GBU	25	800	300	1	5	12.5	800	150	1-Phase Bridge
GBU2510	GBU	25	1000	300	1	5	12.5	1000	150	1-Phase Bridge
GBU2508L	GBU	25	800	450	0.92	5	12.5	800	150	1-Phase Bridge
GBU2510S	GBU	25	1000	300	1	5	12.5	1000	150	1-Phase Bridge
GBU25L06	GBU	25	600	360	0.92	5	12.5	600	150	1-Phase Bridge
GBU25L08	GBU	25	800	360	0.92	5	12.5	800	150	1-Phase Bridge
GBU3006	GBU	30	600	350	1	5	15	600	150	1-Phase Bridge
GBU3008	GBU	30	800	350	1	5	15	800	150	1-Phase Bridge
GBU3010	GBU	30	1000	350	1	5	15	1000	150	1-Phase Bridge
EGBU3506	GBU	35	600	350	2	5	17.5	600	150	1-Phase Bridge
GBU3510	GBU	35	1000	450	1.05	5	17.5	1000	150	1-Phase Bridge
GBU5010	GBU	50	1000	500	1	5	25	1000	150	1-Phase Bridge
RS405GL	RS-4L	4	600	200	1.1	5	4	600	150	1-Phase Bridge
RS406GL	RS-4L	4	800	200	1.1	5	4	800	150	1-Phase Bridge
RS407GL	RS-4L	4	1000	200	1.1	5	4	1000	150	1-Phase Bridge
RS605	RS-6	6	600	200	1.1	10	3	600	150	1-Phase Bridge
RS606	RS-6	6	800	200	1.1	10	3	800	150	1-Phase Bridge
RS607	RS-6	6	1000	200	1.1	10	3	1000	150	1-Phase Bridge
RS805	RS-6	8	600	300	1.1	10	4	600	150	1-Phase Bridge
RS806	RS-6	8	800	300	1.1	10	4	800	150	1-Phase Bridge
RS807	RS-6	8	1000	300	1.1	10	4	1000	150	1-Phase Bridge
RS1005	RS-6	10	600	250	1	10	5	600	150	1-Phase Bridge
RS1006	RS-6	10	800	250	1	10	5	800	150	1-Phase Bridge
RS1007	RS-6	10	1000	250	1	10	5	1000	150	1-Phase Bridge
GBJA606	JA	6	600	135	1	5	3	600	150	1-Phase Bridge
GBJA608	JA	6	800	135	1	5	3	800	150	1-Phase Bridge
GBJA610	JA	6	1000	135	1	5	3	1000	150	1-Phase Bridge
GBJA806	JA	8	600	150	1	5	4	600	150	1-Phase Bridge
GBJA808	JA	8	800	150	1	5	4	800	150	1-Phase Bridge
GBJA810	JA	8	1000	150	1	5	4	1000	150	1-Phase Bridge
GBJA1006	JA	10	600	150	1	5	5	600	150	1-Phase Bridge
GBJA1008	JA	10	800	150	1	5	5	800	150	1-Phase Bridge
GBJA1010	JA	10	1000	150	1	5	5	1000	150	1-Phase Bridge
GBJA1506	JA	15	600	220	1.05	10	7.5	600	150	1-Phase Bridge
GBJA1508	JA	15	800	220	1.05	10	7.5	800	150	1-Phase Bridge
GBJA1510	JA	15	1000	220	1.05	10	7.5	1000	150	1-Phase Bridge
GBJA2006	JA	20	600	240	1	5	10	600	150	1-Phase Bridge
GBJA2008	JA	20	800	240	1	5	10	800	150	1-Phase Bridge
GBJA2010	JA	20	1000	240	1	5	10	1000	150	1-Phase Bridge
GBJA2506	JA	25	600	350	1	5	12.5	600	150	1-Phase Bridge
GBJA2508	JA	25	800	350	1	5	12.5	800	150	1-Phase Bridge
GBJA2510	JA	25	1000	350	1	5	12.5	1000	150	1-Phase Bridge
KBJA406	JB	4	600	135	1	5	2	600	150	1-Phase Bridge
KBJA408	JB	4	800	135	1	5	2	800	150	1-Phase Bridge

Diodes

Bridge Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature	Number of Functions
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)	
KBJA410	JB	4	1000	135	1	5	2	1000	150	1-Phase Bridge
KBJA606	JB	6	600	150	1	5	3	600	150	1-Phase Bridge
KBJA608	JB	6	800	150	1	5	3	800	150	1-Phase Bridge
KBJA610	JB	6	1000	150	1	5	3	1000	150	1-Phase Bridge
KBJA806	JB	8	600	150	1	5	4	600	150	1-Phase Bridge
KBJA808	JB	8	800	150	1	5	4	800	150	1-Phase Bridge
KBJA808L	JB	8	800	175	0.92	5	4	800	150	1-Phase Bridge
KBJA810	JB	8	1000	150	1	5	4	1000	150	1-Phase Bridge
KBJA1006	JB	10	600	150	1	5	5	600	150	1-Phase Bridge
KBJA1008	JB	10	800	150	1	5	5	800	150	1-Phase Bridge
KBJA1010	JB	10	1000	150	1	5	5	1000	150	1-Phase Bridge
KBJA1506	JB	15	600	220	1	5	7.5	600	150	1-Phase Bridge
KBJA1508	JB	15	800	220	1	5	7.5	800	150	1-Phase Bridge
KBJA1510	JB	15	1000	220	1	5	7.5	1000	150	1-Phase Bridge
GBUA4M	JC	4	1000	135	1	5	2	1000	150	1-Phase Bridge
RGBUA4M	JC	4	1000	135	1.3	5	2	1000	150	1-Phase Bridge
GBUA6M	JC	6	1000	150	1	5	3	1000	150	1-Phase Bridge
RGBUA8M	JC	8	1000	160	1.3	5	4	1000	150	1-Phase Bridge
GBUA10M	JC	10	1000	175	1	5	5	1000	150	1-Phase Bridge
GBUA15M	JC	15	1000	200	1	5	7.5	1000	150	1-Phase Bridge
KBJ406G	KBJ	4	600	150	1	5	2	600	150	1-Phase Bridge
KBJ408G	KBJ	4	800	150	1	5	2	800	150	1-Phase Bridge
KBJ410G	KBJ	4	1000	150	1	5	2	1000	150	1-Phase Bridge
KBJ410GS	KBJ	4	1000	135	1	5	2	1000	150	1-Phase Bridge
KBJ606G	KBJ	6	600	170	1	5	3	600	150	1-Phase Bridge
KBJ608G	KBJ	6	800	170	1	5	3	800	150	1-Phase Bridge
KBJ610G	KBJ	6	1000	170	1	5	3	1000	150	1-Phase Bridge
KBJ610GS	KBJ	6	1000	150	1	5	3	1000	150	1-Phase Bridge
KBJ1006G	KBJ	10	600	175	1	5	5	600	150	1-Phase Bridge
KBJ1008G	KBJ	10	800	175	1	5	5	800	150	1-Phase Bridge
KBJ1010G	KBJ	10	1000	175	1	5	5	1000	150	1-Phase Bridge
KBJ1010GS	KBJ	10	1000	175	1	5	5	1000	150	1-Phase Bridge
KBJ1510GS	KBJ	15	1000	220	1	5	7.5	1000	150	1-Phase Bridge
KBJ2510G	KBJ	25	1000	300	1	5	12.5	1000	150	1-Phase Bridge
SGBJ2510	SGBJ	25	1000	400	1.05	5	12.5	1000	150	3-Phase Bridge
SGBJ2512	SGBJ	25	1200	400	1.05	5	12.5	1200	150	3-Phase Bridge
SGBJ2516	SGBJ	25	1600	400	1.05	5	12.5	1600	150	3-Phase Bridge
SGBJ3510	SGBJ	35	1000	450	1.05	5	17.5	1000	150	3-Phase Bridge
SGBJ3512	SGBJ	35	1200	450	1.05	5	17.5	1200	150	3-Phase Bridge
SGBJ3516	SGBJ	35	1600	450	1.05	5	17.5	1600	150	3-Phase Bridge
SGBJ5010	SGBJ	50	1000	500	1.1	5	25	1000	150	3-Phase Bridge
SGBJ5012	SGBJ	50	1200	500	1.1	5	25	1200	150	3-Phase Bridge
SGBJ5016	SGBJ	50	1600	500	1.1	5	25	1600	150	3-Phase Bridge
EPB2506	PB	25	600	220	2	5	12.5	600	150	1-Phase Bridge

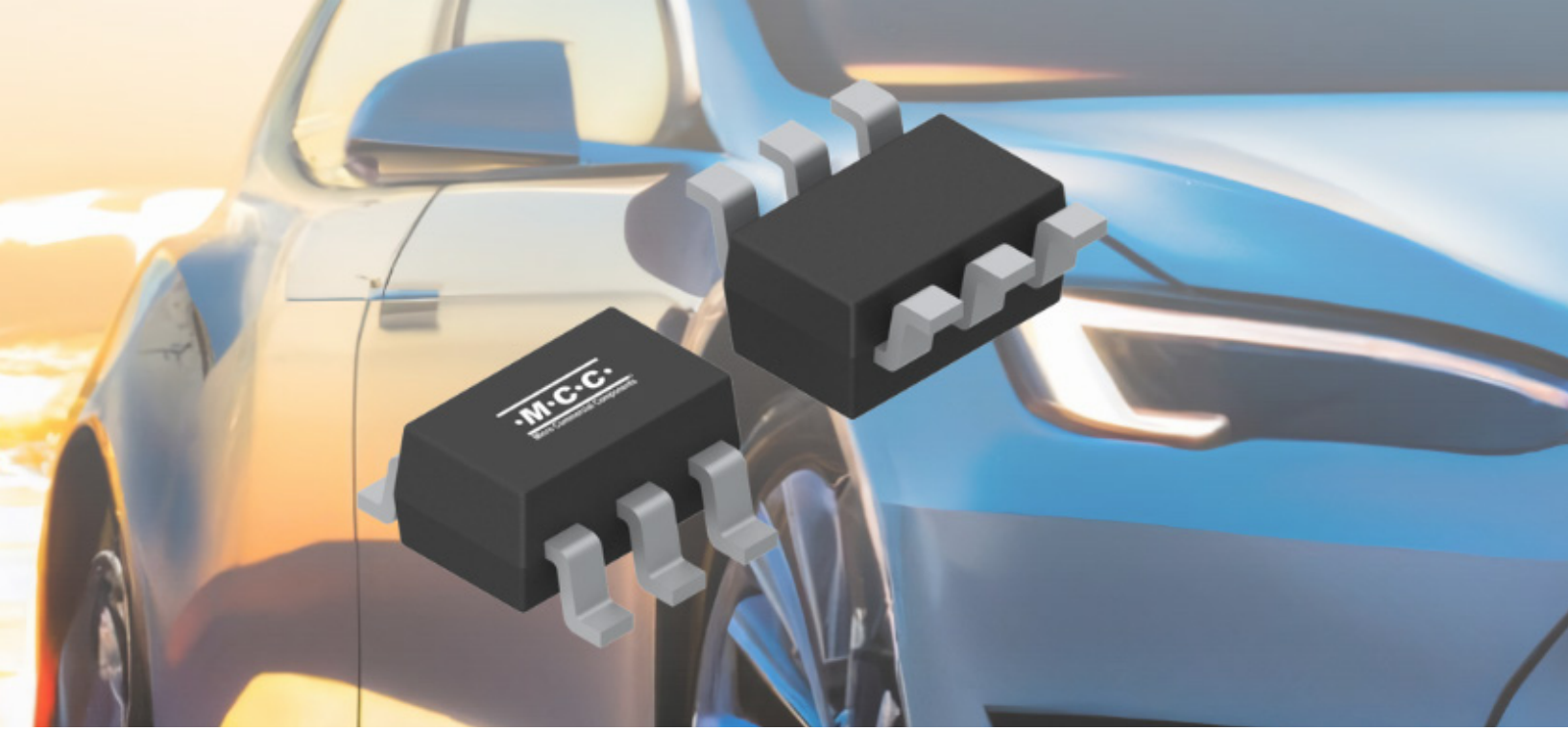
Bridge Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature	Number of Functions
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)	
PB2506	PB	25	600	350	1	5	12.5	600	150	1-Phase Bridge
PB2508	PB	25	800	350	1	5	12.5	800	150	1-Phase Bridge
PB2510	PB	25	1000	350	1	5	12.5	1000	150	1-Phase Bridge
EPB3506	PB	35	600	350	2	5	17.5	600	150	1-Phase Bridge
PB3506	PB	35	600	400	1	5	17.5	600	150	1-Phase Bridge
PB3508	PB	35	800	400	1	5	17.5	800	150	1-Phase Bridge
PB3510	PB	35	1000	400	1	5	17.5	1000	150	1-Phase Bridge
PB3516	PB	35	1600	400	1.1	5	17.5	1600	150	1-Phase Bridge
EPB5006	PB	50	600	380	2	5	25	600	150	1-Phase Bridge
PB5006	PB	50	600	450	1.05	5	25	600	150	1-Phase Bridge
PB5008	PB	50	800	450	1.05	5	25	800	150	1-Phase Bridge
PB5010	PB	50	1000	450	1.05	5	25	1000	150	1-Phase Bridge
PB5008L	PB	50	800	500	0.97	5	25	800	150	1-Phase Bridge
PB5016	PB	50	1600	500	1.1	5	25	1600	150	1-Phase Bridge
PBA2510	PB-A	25	1000	350	1	5	12.5	1000	150	1-Phase Bridge
PBA3510	PB-A	35	1000	400	1	5	17.5	1000	150	1-Phase Bridge
PBA3516	PB-A	35	1600	400	1.1	5	17.5	1600	150	1-Phase Bridge
PBA5010	PB-A	50	1000	500	1.1	5	25	1000	150	1-Phase Bridge
PBA5016	PB-A	50	1600	500	1.1	5	25	1600	150	1-Phase Bridge
3GBJ3508	TSB-5	35	800	400	1.1	10	17.5	800	150	3-Phase Bridge
3GBJ3510	TSB-5	35	1000	400	1.1	10	17.5	1000	150	3-Phase Bridge
3GBJ3516	TSB-5	35	1600	400	1.1	10	17.5	1600	150	3-Phase Bridge
PB66	PB-6	6	600	150	1	10	3	600	150	1-Phase Bridge
PB68	PB-6	6	800	150	1	10	3	800	150	1-Phase Bridge
PB610	PB-6	6	1000	150	1	10	3	1000	150	1-Phase Bridge
BR106	PB-6	10	600	150	1.1	10	5	600	150	1-Phase Bridge
BR108	PB-6	10	800	150	1.1	10	5	800	150	1-Phase Bridge
BR1010	PB-6	10	1000	150	1.1	10	5	1000	150	1-Phase Bridge
PB86	PB-10	8	600	220	1.1	10	4	600	125	1-Phase Bridge
PB810	PB-10	8	1000	220	1.1	10	4	1000	125	1-Phase Bridge
GBPC1506	GBPC	15	600	250	1.1	5	7.5	600	150	1-Phase Bridge
GBPC1508	GBPC	15	800	250	1.1	5	7.5	800	150	1-Phase Bridge
GBPC1510	GBPC	15	1000	250	1.1	5	7.5	1000	150	1-Phase Bridge
GBPC2506	GBPC	25	600	300	1.1	5	12.5	600	150	1-Phase Bridge
GBPC2508	GBPC	25	800	300	1.1	5	12.5	800	150	1-Phase Bridge
GBPC2510	GBPC	25	1000	300	1.1	5	12.5	1000	150	1-Phase Bridge
GBPC3502	GBPC	35	200	400	1.1	5	17.5	200	150	1-Phase Bridge
GBPC3506	GBPC	35	600	400	1.1	5	17.5	600	150	1-Phase Bridge
GBPC3508	GBPC	35	800	400	1.1	5	17.5	800	150	1-Phase Bridge
GBPC3510	GBPC	35	1000	400	1.1	5	17.5	1000	150	1-Phase Bridge
GBPC5004	GBPC	50	400	500	1.1	5	25	400	150	1-Phase Bridge
GBPC5006	GBPC	50	600	500	1.1	5	25	600	150	1-Phase Bridge
GBPC5008	GBPC	50	800	500	1.1	5	25	800	150	1-Phase Bridge
GBPC5010	GBPC	50	1000	500	1.1	5	25	1000	150	1-Phase Bridge

Diodes

Bridge Rectifiers

Part Number	Package	Average Forward Current	Working Peak Reverse Voltage	Peak Forward Surge Current	Maximum Forward Voltage	Reverse Voltage Leakage Current	At Rated Forward Current	Maximum DC Blocking Voltage	Operating Junction Temperature	Number of Functions
		$I_{F(AV)}$ (A)	V_{RWM} (V)	I_{FSM} (A)	V_F (V)	I_R (uA)	I_{FM} (A)	V_R (V)	T_J(°C)	
GBPC5008H	GBPC-H	50	800	500	1.1	5	25	800	150	1-Phase Bridge
GBPC5010H	GBPC-H	50	1000	500	1.1	5	25	1000	150	1-Phase Bridge
GBPC5012H	GBPC-H	50	1200	500	1.1	5	25	1200	150	1-Phase Bridge
GBPC5010L	GBPC-L	50	1000	500	1.1	5	25	1000	150	1-Phase Bridge
GBPC2506W	GBPC-W	25	600	300	1.1	5	12.5	600	150	1-Phase Bridge
GBPC2508W	GBPC-W	25	800	300	1.1	5	12.5	800	150	1-Phase Bridge
GBPC2510W	GBPC-W	25	1000	300	1.1	5	12.5	1000	150	1-Phase Bridge
GBPC3506W	GBPC-W	35	600	400	1.1	5	17.5	600	150	1-Phase Bridge
GBPC3508W	GBPC-W	35	800	400	1.1	5	17.5	800	150	1-Phase Bridge
GBPC3510W	GBPC-W	35	1000	400	1.1	5	17.5	1000	150	1-Phase Bridge
MB256	MB-35	25	600	300	1.1	10	12.5	600	150	1-Phase Bridge
MB258	MB-35	25	800	300	1.1	10	12.5	800	150	1-Phase Bridge
MB2510	MB-35	25	1000	300	1.1	10	12.5	1000	150	1-Phase Bridge
MB356	MB-35	35	600	400	1.1	10	17.5	600	125	1-Phase Bridge
MB358	MB-35	35	800	400	1.1	10	17.5	800	125	1-Phase Bridge
MB3510	MB-35	35	1000	400	1.1	10	17.5	1000	125	1-Phase Bridge
MP358	MP-50	35	800	400	1.1	5	17.5	800	150	1-Phase Bridge
MP506	MP-50	50	600	500	1.2	10	25	600	150	1-Phase Bridge
MP5010	MP-50	50	1000	500	1.2	10	25	1000	150	1-Phase Bridge
MP156W	MP-50W	15	600	300	1.1	5	7.5	600	125	1-Phase Bridge
MP358W	MP-50W	35	800	400	1.1	5	17.5	800	150	1-Phase Bridge
MP506W	MP-50W	50	600	450	1.1	10	25	600	150	1-Phase Bridge
MP508W	MP-50W	50	800	450	1.1	10	25	800	150	1-Phase Bridge
MP5010W	MP-50W	50	1000	450	1.1	10	25	1000	150	1-Phase Bridge
MT3508A	MT-35A	35	800	400	1.2	10	17.5	800	150	3-Phase Bridge
MT3512A	MT-35A	35	1200	400	1.2	10	17.5	1200	150	3-Phase Bridge
MT3516A	MT-35A	35	1600	400	1.2	10	17.5	1600	150	3-Phase Bridge
MT5008A	MT-35A	50	800	500	1.2	10	25	800	150	3-Phase Bridge
MT5016A	MT-35A	50	1600	500	1.2	10	25	1600	150	3-Phase Bridge
MT3510M	MT-M	35	1000	400	1.1	5	17.5	1000	150	3-Phase Bridge
MT3516M	MT-M	35	1600	400	1.1	5	17.5	1600	150	3-Phase Bridge
MT5010M	MT-M	50	1000	500	1.15	5	25	1000	150	3-Phase Bridge
MT5016M	MT-M	50	1600	500	1.15	5	25	1600	150	3-Phase Bridge
MT2510W	MT-W	25	1000	350	1.1	5	12.5	1000	150	3-Phase Bridge
MT2516W	MT-W	25	1600	350	1.1	5	12.5	1600	150	3-Phase Bridge
MT3510W	MT-W	35	1000	450	1.1	5	17.5	1000	150	3-Phase Bridge
MT3516W	MT-W	35	1600	450	1.1	5	17.5	1600	150	3-Phase Bridge
MT5010W	MT-W	50	1000	500	1.15	5	25	1000	150	3-Phase Bridge
MT5016W	MT-W	50	1600	500	1.15	5	25	1600	150	3-Phase Bridge
S50VB100DT	S50VB DT	50	1000	500	1.05	5	25	1000	150	1-Phase Bridge
S50VB160DT	S50VB DT	50	1600	500	1.05	5	25	1600	150	1-Phase Bridge
SKBPC3516	SKBPC	35	1600	425	1.2	1	17.5	1600	150	3-Phase Bridge
SKBPC7510	SKBPC75	75	1000	800	1.2	5	37.5	1000	150	3-Phase Bridge
SKBPC7516	SKBPC75	75	1600	800	1.2	5	37.5	1600	150	3-Phase Bridge



Transistors

Transistors are fundamental to modern power electronics, providing a critical control source for amplifying, generating, and controlling electronic signals. MCC's robust portfolio of transistors ensures exceptional performance and reliability in a broad range of applications. Choose from diverse amplifying and switching solutions in a range of packages, configurations, and polarities, including AEC-Q101 qualified components.

Transistors

PRODUCT

Transistors

APPLICATION

Micro Commercial Components

Automotive Grade

Automotive Bipolar Transistors

Part Number	Package	Polarity	Power Dissipation	Collector-Emitter Breakdown Voltage	Collector Current	DC Current Gain				Base-Emitter Saturation Voltage	Transition Frequency	Operating Junction Temperature
			P_C (W)	V_{CEO}(V)	I_C (A)	H_{FE}(min)	H_{FE}(max)	V_{CE} (V)	I_C (mA)	V_{CE}(sat)(V)	f_T(MHz)	T_j(°C)
2SD1782HE3-R	SOT-23	NPN	0.200	80	0.5	180	390	3	100	0.5	180	150
BC848AHE3	SOT-23	NPN	0.225	30	0.1	110	220	5	2	0.5	100	150
BC848BHE3	SOT-23	NPN	0.225	30	0.1	200	450	5	2	0.5	100	150
BC848CHE3	SOT-23	NPN	0.225	30	0.1	420	800	5	2	0.5	100	150
BC847AHE3	SOT-23	NPN	0.225	50	0.1	110	220	5	2	0.5	100	150
BC847BHE3	SOT-23	NPN	0.225	50	0.1	200	450	5	2	0.5	100	150
BC847CHE3	SOT-23	NPN	0.225	50	0.1	420	800	5	2	0.5	100	150
BC846AHE3	SOT-23	NPN	0.225	80	0.1	110	220	5	2	0.5	100	150
BC846BHE3	SOT-23	NPN	0.225	80	0.1	200	450	5	2	0.5	100	150
FMMT4240HE3	SOT-23	NPN	0.300	40	2	350		2	100	0.32	100	150
FMMT491BHE3	SOT-23	NPN	0.300	40	1	300		5	1	0.2	150	150
MMSS8050HE3-H	SOT-23	NPN	0.300	40	1.5	200	350	1	100	0.5	100	150
MMSS8050HE3-L	SOT-23	NPN	0.300	40	1.5	120	200	1	100	0.5	100	150
BC817-16HE3	SOT-23	NPN	0.300	50	0.5	100	250	1	100	0.7	100	150
BC817-25HE3	SOT-23	NPN	0.300	50	0.5	160	400	1	100	0.7	100	150
BC817-40HE3	SOT-23	NPN	0.300	50	0.5	250	600	1	100	0.7	100	150
MMBTA06HE3	SOT-23	NPN	0.300	80	0.5	100		1	10	0.25	100	150
MMBT5551HE3	SOT-23	NPN	0.300	180	0.6	100	300	5	10	0.2	100	150
MMBT3904HE3	SOT-23	NPN	0.350	60	0.2	100	300	1	10	0.2	300	150
MMBT4401HE3	SOT-23	NPN	0.350	60	0.6	80		1	10	0.4	250	150
MMBT2222AHE3	SOT-23	NPN	0.350	75	0.6	75		10	10	0.3	300	150
MMBTA42HE3	SOT-23	NPN	0.350	300	0.5	40		10	10	0.5	50	150
2SB1198HE3-R	SOT-23	PNP	0.200	-80	-0.5	180	390	3	100	-0.5	180	150
MMBTA92HE3	SOT-23	PNP	0.300	-300	-0.3	100	200	-10	-10	-0.5	50	150
MMBT5401HE3	SOT-23	PNP	0.300	-160	-0.6	100	300	-5	-10	-0.5	100	150
FMMT591HE3	SOT-23	PNP	0.300	-80	-1	100	300	-5	-500	-0.6	150	150
MMBTA56HE3	SOT-23	PNP	0.300	-80	-0.5	100		-1	-10	-0.25	100	150
BC807-16HE3	SOT-23	PNP	0.300	-50	-0.5	100	250	-1	-100	-0.7	100	150
BC807-25HE3	SOT-23	PNP	0.300	-50	-0.5	160	400	-1	-100	-0.7	100	150
BC807-40HE3	SOT-23	PNP	0.300	-50	-0.5	250	600	-1	-100	-0.7	100	150
FMMT5240HE3	SOT-23	PNP	0.300	-40	-2	300		-2	-100	-0.35	100	150
FMMT591BHE3	SOT-23	PNP	0.300	-40	-1	300		-5	-1	-0.2	150	150
MMBT3906HE3	SOT-23	PNP	0.300	-40	-0.2	100	300	-1	-10	-0.25	250	150
MMS8550HE3-H	SOT-23	PNP	0.300	-40	-0.5	200	350	-1	-50	-0.6	150	150
MMS8550HE3-L	SOT-23	PNP	0.300	-40	-0.5	120	200	-1	-50	-0.6	150	150
BC858AHE3	SOT-23	PNP	0.300	-30	-0.1	125	250	-5	-2	-0.65	100	150
BC858BHE3	SOT-23	PNP	0.300	-30	-0.1	220	475	-5	-2	-0.65	100	150
BC858CHE3	SOT-23	PNP	0.300	-30	-0.1	420	800	-5	-2	-0.65	100	150
BC856AHE3	SOT-23	PNP	0.310	-80	-0.1	125	250	-5	-2	-0.3	200	150
BC856BHE3	SOT-23	PNP	0.310	-80	-0.1	220	475	-5	-2	-0.3	200	150
BC857AHE3	SOT-23	PNP	0.310	-50	-0.1	125	250	-5	-2	-0.3	200	150
BC857BHE3	SOT-23	PNP	0.310	-50	-0.1	220	475	-5	-2	-0.3	200	150
BC857CHE3	SOT-23	PNP	0.310	-50	-0.1	420	800	-5	-2	-0.3	200	150
MMBT2907AHE3	SOT-23	PNP	0.350	-60	-0.6	100		-10	-10	-0.4	200	150

Automotive Bipolar Transistors

Automotive Grade

Part Number	Package	Polarity	Power Dissipation	Collector-Emitter Breakdown Voltage	Collector Current	DC Current Gain				Base-Emitter Saturation Voltage	Transition Frequency	Operating Junction Temperature
			P_C (W)	V_{CEO}(V)	I_C (A)	H_{FE}(min)	H_{FE}(max)	V_{CE} (V)	I_C (mA)	V_{CE}(sat)(V)	f_T(MHz)	T_j(°C)
MMBT4403HE3	SOT-23	PNP	0.350	-40	-0.6	100		-1	-10	-0.4	200	150
MMSS8550HE3-H	SOT-23	PNP	0.625	-40	-1.5	200	350	-1	-100	-0.5	100	150
MMSS8550HE3-L	SOT-23	PNP	0.625	-40	-1.5	120	200	-1	-100	-0.5	100	150
BC848AWHE3	SOT-323	NPN	0.200	30	0.1	110	220	5	2	0.5	150	150
BC848BWHE3	SOT-323	NPN	0.200	30	0.1	200	450	5	2	0.5	150	150
BC848CWHE3	SOT-323	NPN	0.200	30	0.1	420	800	5	2	0.5	150	150
BC817-16WHE3	SOT-323	NPN	0.200	50	0.5	100	250	1	100	0.7	100	150
BC817-25WHE3	SOT-323	NPN	0.200	50	0.5	160	400	1	100	0.7	100	150
BC817-40WHE3	SOT-323	NPN	0.200	50	0.5	250	600	1	100	0.7	100	150
BC847AWHE3	SOT-323	NPN	0.200	50	0.1	110	220	5	2	0.5	150	150
BC847BWHE3	SOT-323	NPN	0.200	50	0.1	200	450	5	2	0.5	150	150
BC847CWHE3	SOT-323	NPN	0.200	50	0.1	420	800	5	2	0.5	150	150
MMST3904HE3	SOT-323	NPN	0.200	60	0.2	100	300	1	10	0.3	250	150
MMST4401HE3	SOT-323	NPN	0.200	60	0.6	100	300	1	150	0.4	150	150
MMST2222AHE3	SOT-323	NPN	0.200	75	0.6	100	300	10	150	0.6	300	150
BC846AWHE3	SOT-323	NPN	0.200	80	0.1	110	220	5	2	0.5	150	150
BC846BWHE3	SOT-323	NPN	0.200	80	0.1	200	450	5	2	0.5	150	150
MMSTA06HE3	SOT-323	NPN	0.200	80	0.5	100	400	1	10	0.25	100	150
MMST5551HE3	SOT-323	NPN	0.200	180	0.6	30		5	50	0.2	100	150
MMSTA42HE3	SOT-323	NPN	0.200	300	0.2	40		10	10	0.5	50	150
BC856AWHE3	SOT-323	PNP	0.150	-80	-0.1	125	250	-5	-2	-0.65	100	150
BC856BWHE3	SOT-323	PNP	0.150	-80	-0.1	220	475	-5	-2	-0.65	100	150
BC857AWHE3	SOT-323	PNP	0.150	-50	-0.1	125	250	-5	-2	-0.65	100	150
BC857BWHE3	SOT-323	PNP	0.150	-50	-0.1	220	475	-5	-2	-0.65	100	150
BC858AWHE3	SOT-323	PNP	0.150	-30	-0.1	125	250	-5	-2	-0.65	100	150
BC858BWHE3	SOT-323	PNP	0.150	-30	-0.1	220	475	-5	-2	-0.65	100	150
MMSTA92HE3	SOT-323	PNP	0.200	-300	-0.1	40		-10	-10	-0.4	50	150
MMST5401HE3	SOT-323	PNP	0.200	-160	-0.6	60	300	-5	-10	-0.5	100	150
MMSTA56HE3	SOT-323	PNP	0.200	-80	-0.5	100		-1	-10	-0.25	100	150
MMST2907AHE3	SOT-323	PNP	0.200	-60	-0.6	100		-10	-1	-1.6	200	150
BC807-16WHE3	SOT-323	PNP	0.200	-50	-0.5	100	250	-1	-100	-0.7	100	150
BC807-25WHE3	SOT-323	PNP	0.200	-50	-0.5	160	400	-1	-100	-0.7	100	150
BC807-40WHE3	SOT-323	PNP	0.200	-50	-0.5	250	600	-1	-100	-0.7	100	150
MMST3906HE3	SOT-323	PNP	0.200	-40	-0.2	100	300	-1	-10	-0.3	300	150
MMST4403HE3	SOT-323	PNP	0.200	-40	-0.6	100	300	-2	-150	-0.4	200	150
BC847BSHE3	SOT-363	NPN*2	0.200	50	0.1	200	450	5	2	0.65	150	150
DMMT3904HE3	SOT-363	NPN*2	0.200	60	0.2	100	300	1	10	0.3	250	150
MMDT3904HE3	SOT-363	NPN*2	0.200	60	0.2	100	300	1	10	0.3	300	150
MMDT2222AHE3	SOT-363	NPN*2	0.200	75	0.6	100	300	10	150	1	250	150
BC846BSHE3	SOT-363	NPN*2	0.200	80	0.1	200	450	5	2	0.1	100	150
MMDT5551HE3	SOT-363	NPN*2	0.200	180	0.6	100	300	5	10	0.15	250	150
BC847PNHE3	SOT-363	NPN+PNP	0.200	50/-50	0.1/-0.1	200/200	450/450	5/-5	2/-2	0.25	100/100	150
MMDT3946HE3	SOT-363	NPN+PNP	0.200	60/-40	0.2/-0.2	100/100	300/300	1/-1	10/-10	0.3/-0.4	300/250	150
MMDT2227HE3	SOT-363	NPN+PNP	0.200	75/-60	0.6/-0.6	100/100	300/300	10/-10	150/-150	0.3/-0.4	250/250	150

Micro Commercial Components

Automotive Grade

Automotive Bipolar Transistors

Part Number	Package	Polarity	Power Dissipation	Collector-Emitter Breakdown Voltage	Collector Current	DC Current Gain				Base-Emitter Saturation Voltage	Transition Frequency	Operating Junction Temperature
			P_C (W)	V_{CEO}(V)	I_C (A)	H_{FE}(min)	H_{FE}(max)	V_{CE} (V)	I_C (mA)	V_{CE}(sat)(V)	f_T(MHz)	T_j(°C)
BC846BPNHE3	SOT-363	NPN+PNP	0.200	80/-80	0.1/-0.1	200/200	450/450	5/-5	2/-2	0.25/-0.3	100/100	150
MMDT5451HE3	SOT-363	NPN+PNP	0.200	180/-160	0.2/-0.2	100/100	300/300	5/-5	10/-10	0.15/-0.2	100/100	150
MMDT5401HE3	SOT-363	PNP*2	0.200	-160	-0.6	100	300	-5	-10	-0.5	250	150
BC856BSHE3	SOT-363	PNP*2	0.200	-80	-0.1	220	475	-5	-2	-0.65	100	150
MMDT2907AHE3	SOT-363	PNP*2	0.200	-60	-0.6	100		-10	-10	-0.4	200	150
BC857BSHE3	SOT-363	PNP*2	0.200	-50	-0.2	200	475	-5	-2	-0.65	100	150
MMDT3906HE3	SOT-363	PNP*2	0.200	-40	-0.2	100	300	-1	-10	-0.25	250	150
FMMT304NZHE3	SOT-223	NPN	1.000	60	5.2	300		500	2	0.28	100	150
PZT5551HE3	SOT-223	NPN	1.000	180	0.6	80		5	1	0.15	100	150
BCP56-16HE3	SOT-223	NPN	1.500	100	1	100	250	2	150	0.5	100	150
FMMT5350ZHE3	SOT-223	PNP	0.500	-60	-3	200		-2	-500	-0.3	150	150
BCP53-16HE3	SOT-223	PNP	1.500	-100	-1	100	250	-2	-150	-0.5	100	150
FMMT4350XHE3	SOT-89	NPN	0.500	50	3	300	700	2	1000	0.37	100	150
BCX56-16HE3	SOT-89	NPN	0.500	100	1	100	250	2	150	0.5	130	150
BCX53-16HE3	SOT-89	PNP	0.500	-100	-1	100	250	-2	-150	-0.5	50	150
MJD31CHE3	DPAK	NPN	1.250	100	3	10	75	4	3000	1.2	3	150
MJD41CHE3	DPAK	NPN	1.250	100	6	15	155	4	3	1.5	3	150
MJD32CHE3	DPAK	PNP	1.250	-100	-3	10	75	-0.375	-3000	-1.2	3	150
MJD42CHE3	DPAK	PNP	1.500	-100	-6	15	75	-4	-3000	-1.5	3	150

Automotive Pre-Biased Transistors

Automotive Grade

Part Number	Package	Polarity	Power Dissipation	Output Current	Supply Voltage	Input Resistance		Transition frequency	Operating Junction Temperature
			P_D(mW)	I_O(mA)	V_{CC}(V)	R_1(KΩ)	R_2(KΩ)	f_T(MHZ)	T_J(°C)
DTC114ECAHE3	SOT-23	NPN	200	100	50	10	10	250	150
DTC114YCAHE3	SOT-23	NPN	200	100	50	10	47	250	150
DTC123JCAHE3	SOT-23	NPN	200	100	50	2.2	47	200	150
DTC123YCAHE3	SOT-23	NPN	200	100	50	2.2	10	200	150
DTC124ECAHE3	SOT-23	NPN	200	100	50	22	22	250	150
DTC143ECAHE3	SOT-23	NPN	200	100	50	4.7	4.7	250	150
DTC143ZCAHE3	SOT-23	NPN	200	100	50	4.7	47	250	150
DTC144ECAHE3	SOT-23	NPN	200	100	50	47	47	250	150
DTA114ECAHE3	SOT-23	PNP	200	-100	-50	10	10	250	150
DTA114YCAHE3	SOT-23	PNP	200	-100	-50	10	47	250	150
DTA123JCAHE3	SOT-23	PNP	200	-100	-50	2.2	47	200	150
DTA124ECAHE3	SOT-23	PNP	200	-100	-50	22	22	200	150
DTA143ECAHE3	SOT-23	PNP	200	-100	-50	4.7	4.7	250	150
DTA143ZCAHE3	SOT-23	PNP	200	-100	-50	4.7	47	250	150
DTA144ECAHE3	SOT-23	PNP	200	-100	-50	47	47	250	150
DTC114EUAHE3	SOT-323	NPN	200	100	50	10	10	250	150
DTC114YUAHE3	SOT-323	NPN	200	100	50	10	47	250	150
DTC123JUAHE3	SOT-323	NPN	200	100	50	2.2	47	200	150
DTC123YUAHE3	SOT-323	NPN	200	100	50	2.2	10	200	150
DTC124EUAHE3	SOT-323	NPN	200	100	50	22	22	250	150
DTC143EUAHE3	SOT-323	NPN	200	100	50	4.7	4.7	250	150
DTC143ZUAHE3	SOT-323	NPN	200	100	50	4.7	47	250	150
DTC144EUAHE3	SOT-323	NPN	200	100	50	47	47	250	150
DTA114EUAHE3	SOT-323	PNP	200	-100	-50	10	10	250	150
DTA114YUAHE3	SOT-323	PNP	200	-100	-50	10	47	250	150
DTA123JUAHE3	SOT-323	PNP	200	-100	-50	2.2	47	200	150
DTA124EUAHE3	SOT-323	PNP	200	-100	-50	22	22	200	150
DTA143EUAHE3	SOT-323	PNP	200	-100	-50	4.7	4.7	250	150
DTA143ZUAHE3	SOT-323	PNP	200	-100	-50	4.7	47	250	150
DTA144EUAHE3	SOT-323	PNP	200	-100	-50	47	47	250	150
UMH10NHE3	SOT-363	NPN*2	150	100	50	2.2	47	250	150
UMH11NHE3	SOT-363	NPN*2	150	100	50	10	10	250	150
UMH13NHE3	SOT-363	NPN*2	150	100	50	4.7	47	250	150
UMH1NHE3	SOT-363	NPN*2	150	100	50	22	22	250	150
UMH2NHE3	SOT-363	NPN*2	150	100	50	47	47	200	150
UMH9NHE3	SOT-363	NPN*2	150	100	50	10	47	250	150
UMD10NHE3	SOT-363	NPN+PNP	150	100/-100	50/-50	2.2	47	200	150
UMD12NHE3	SOT-363	NPN+PNP	150	100/-100	50/-50	47	47	250	150
UMD15NHE3	SOT-363	NPN+PNP	150	100/-100	50/-50	4.7	4.7	250	150
UMD2NHE3	SOT-363	NPN+PNP	150	100/-100	50/-50	22	22	250	150
UMD22NHE3	SOT-363	NPN+PNP	200	100/-100	50/-50	4.7	47	250	150
UMD3NHE3	SOT-363	NPN+PNP	200	100/-100	50/-50	10	10	250	150
UMD9NHE3	SOT-363	NPN+PNP	200	100/-100	50/-50	10	47	250	150
UMB1NHE3	SOT-363	PNP*2	150	-100	-50	22	22	200	150
UMB9NHE3	SOT-363	PNP*2	150	-100	-50	10	47	200	150

Transistors

Small Signal Bipolar Transistors

Part Number	Package	Polarity	Power Dissipation	Collector-Emitter Breakdown Voltage	Collector Current	DC Current Gain				Base-Emitter Saturation Voltage	Transition Frequency	Operating Junction Temperature
			P_C (W)	V_{CEO}(V)	I_C (A)	H_{FE}(min)	H_{FE}(max)	V_{CE} (V)	I_C (mA)	V_{CE}(sat)(V)	f_t(MHz)	T_j(°C)
BC848AL3	DFN1006-3	NPN	0.15	30	0.1	110	220	5	2	0.6	100	150
BC848BL3	DFN1006-3	NPN	0.15	30	0.1	200	450	5	2	0.6	100	150
BC848CL3	DFN1006-3	NPN	0.15	30	0.1	420	800	5	2	0.6	100	150
BC847AL3	DFN1006-3	NPN	0.15	50	0.1	110	220	5	2	0.6	100	150
BC847BL3	DFN1006-3	NPN	0.15	50	0.1	200	450	5	2	0.6	100	150
BC847CL3	DFN1006-3	NPN	0.15	50	0.1	420	800	5	2	0.6	100	150
MMBT3904L3	DFN1006-3	NPN	0.15	60	0.2	100	300	1	10	0.3	300	150
BC846AL3	DFN1006-3	NPN	0.15	80	0.1	110	220	5	2	0.6	100	150
BC846BL3	DFN1006-3	NPN	0.15	80	0.1	200	450	5	2	0.6	100	150
BC856AL3	DFN1006-3	PNP	0.15	-80	-0.1	110	220	-5	-2	-0.65	100	150
BC856BL3	DFN1006-3	PNP	0.15	-80	-0.1	200	450	-5	-2	-0.65	100	150
BC857AL3	DFN1006-3	PNP	0.15	-50	-0.1	110	220	-5	-2	-0.65	100	150
BC857BL3	DFN1006-3	PNP	0.15	-50	-0.1	200	450	-5	-2	-0.65	100	150
BC857CL3	DFN1006-3	PNP	0.15	-50	-0.1	420	800	-5	-2	-0.65	100	150
MMBT3906L3	DFN1006-3	PNP	0.15	-40	-0.2	100	300	-1	-10	-0.4	250	150
BC858AL3	DFN1006-3	PNP	0.15	-30	-0.1	110	220	-5	-2	-0.65	100	150
BC858BL3	DFN1006-3	PNP	0.15	-30	-0.1	200	450	-5	-2	-0.65	100	150
BC858CL3	DFN1006-3	PNP	0.15	-30	-0.1	420	800	-5	-2	-0.65	100	150
2SC2859-Y	SOT-23	NPN	0.15	35	0.5	120	240	1	100	0.25	300	150
2SC2712-Y	SOT-23	NPN	0.15	60	0.15	120	240	6	2	0.1	80	150
KTC3875-GR	SOT-23	NPN	0.15	60	0.15	200	400	6	2	0.25	80	150
KTC3875-Y	SOT-23	NPN	0.15	60	0.15	120	240	6	2	0.25	80	150
2SC2411-Q	SOT-23	NPN	0.2	-40	0.5	120	270	3	100	0.4	250	150
BC848A	SOT-23	NPN	0.2	30	0.1	110	220	5	2	0.5	100	150
BC848B	SOT-23	NPN	0.2	30	0.1	200	450	5	2	0.5	100	150
BC848C	SOT-23	NPN	0.2	30	0.1	420	800	5	2	0.5	100	150
BC849B	SOT-23	NPN	0.2	30	0.1	200	450	5	2	0.5	100	150
BC849C	SOT-23	NPN	0.2	30	0.1	420	800	5	2	0.5	100	150
2SC2411-R	SOT-23	NPN	0.2	40	0.5	180	390	3	100	0.4	250	150
BC847A	SOT-23	NPN	0.2	50	0.1	110	220	5	2	0.5	100	150
BC847B	SOT-23	NPN	0.2	50	0.1	200	450	5	2	0.5	100	150
BC847C	SOT-23	NPN	0.2	50	0.1	420	800	5	2	0.5	100	150
2SC1623-L5	SOT-23	NPN	0.2	60	0.1	135	270	6	1	0.3	250	150
2SC1623-L6	SOT-23	NPN	0.2	60	0.1	200	400	6	1	0.3	250	150
2SC1623-L7	SOT-23	NPN	0.2	60	0.1	300	600	6	1	0.3	250	150
2SC2412-R	SOT-23	NPN	0.2	60	0.15	180	390	6	1	0.4	150	150
2SC2412-S	SOT-23	NPN	0.2	60	0.15	270	560	6	1	0.4	150	150
MMBT1815-H	SOT-23	NPN	0.2	60	0.15	200	400	6	2	0.25	80	150
BCW66F	SOT-23	NPN	0.2	75	0.8	100	250	1	100	0.3	100	150
BCW66G	SOT-23	NPN	0.2	75	0.8	110		1	10	0.3	100	150
BC846A	SOT-23	NPN	0.2	80	0.1	110	220	5	2	0.5	100	150
BC846B	SOT-23	NPN	0.2	80	0.1	200	450	5	2	0.5	100	150
BC846C	SOT-23	NPN	0.2	80	0.1	428	800	5	2	0.5	100	150
MMBTA28	SOT-23	NPN	0.2	80	0.5	10000		5	10	1.5	125	150

Small Signal Bipolar Transistors

Part Number	Package	Polarity	Power Dissipation	Collector-Emitter Breakdown Voltage	Collector Current	DC Current Gain				Base-Emitter Saturation Voltage	Transition Frequency	Operating Junction Temperature
			P_C (W)	V_{CEO}(V)	I_C (A)	H_{FE}(min)	H_{FE}(max)	V_{CE} (V)	I_C (mA)	V_{CE}(sat)(V)	f_t(MHz)	T_j(°C)
MMBTA13	SOT-23	NPN	0.225	30	0.3	5000		5	10	1.5	125	150
MMBTA14	SOT-23	NPN	0.225	30	0.3	10000		5	10	1.5	125	150
MMBTH10	SOT-23	NPN	0.225	30	0.05	60		10	4	0.5	650	150
MMBT5550	SOT-23	NPN	0.225	160	0.6	60	250	5	10	0.15		150
BCX70J	SOT-23	NPN	0.25	45	0.2	250	460	5	2	0.35	100	150
FMMT493	SOT-23	NPN	0.25	120	1	20		10	1000	0.3	150	150
FMMT4230	SOT-23	NPN	0.3	40	2	350		2	100	0.7	100	150
FMMT4240	SOT-23	NPN	0.3	40	2	350		2	100	0.32	100	150
FMMT491B	SOT-23	NPN	0.3	40	1	300		5	1	0.2	150	150
MMS8050A-H	SOT-23	NPN	0.3	40	0.5	200	350	1	50	0.6	150	150
MMS8050A-L	SOT-23	NPN	0.3	40	0.5	120	200	1	50	0.6	150	150
MMS8050-H	SOT-23	NPN	0.3	40	0.5	200	350	1	50	0.6	150	150
MMS9013-H	SOT-23	NPN	0.3	40	0.5	200	350	1	50	0.6	150	150
MMS9013-L	SOT-23	NPN	0.3	40	0.5	120	200	1	50	0.6	150	150
MMSS8050-H	SOT-23	NPN	0.3	40	1.5	200	350	1	100	0.5	100	150
MMSS8050-L	SOT-23	NPN	0.3	40	1.5	120	200	1	100	0.5	100	150
MS8050-H	SOT-23	NPN	0.3	40	0.8	200	300	1	5	0.5	150	150
MS8050-L	SOT-23	NPN	0.3	40	0.8	80	200	1	5	0.5	150	150
BC817-16	SOT-23	NPN	0.3	50	0.5	100	250	1	100	0.7	100	150
BC817-25	SOT-23	NPN	0.3	50	0.5	160	400	1	100	0.7	100	150
BC817-40	SOT-23	NPN	0.3	50	0.5	250	600	1	100	0.7	100	150
MMBT8050	SOT-23	NPN	0.3	50	1.5	160	320	1	100	0.5		150
MMBTA05	SOT-23	NPN	0.3	60	0.5	100		1	10	0.25	100	150
BCV47	SOT-23	NPN	0.3	80	0.5	2000		1	0.1	1	170	150
MMBT3820	SOT-23	NPN	0.3	80	1	200		5	1	0.12	150	150
MMBTA06	SOT-23	NPN	0.3	80	0.5	100		1	10	0.25	100	150
FMMT495	SOT-23	NPN	0.3	170	1	140		5	200	0.3	140	150
MMBT5551	SOT-23	NPN	0.3	180	0.6	100	300	5	10	0.2	100	150
BCW66H	SOT-23	NPN	0.33	75	0.8	180		1	10	0.3	100	150
MMBT3904	SOT-23	NPN	0.35	60	0.2	100	300	1	10	0.2	300	150
MMBT4401	SOT-23	NPN	0.35	60	0.6	80		1	10	0.4	250	150
MMBT2222A	SOT-23	NPN	0.35	75	0.6	75		10	10	0.3	300	150
MMBTA42	SOT-23	NPN	0.35	300	0.5	40		10	10	0.5	50	150
MMBTA44	SOT-23	NPN	0.35	400	0.1	40		10	1	0.75	50	150
MMS9014-H	SOT-23	NPN	0.4	50	0.1	450	1000	5	1	0.3	150	150
MMS9014-L	SOT-23	NPN	0.4	50	0.1	200	450	5	1	0.3	150	150
BC817K-25	SOT-23	NPN	0.5	50	0.5	160	400	1	100	0.7	100	150
BC817K-40	SOT-23	NPN	0.5	50	0.5	250	600	1	100	0.7	100	150
FMMT491	SOT-23	NPN	0.5	80	1	80		5	1000	0.5	150	150
2SA1037-R	SOT-23	PNP	0.2	-60	-0.15	180	390	-6	-1	-0.5	120	150
2SA812-M6	SOT-23	PNP	0.2	-60	-0.1	200	400	-6	-1	-0.3	180	150
2SA812-M7	SOT-23	PNP	0.2	-60	-0.1	300	600	-6	-1	-0.3	180	150
MMS9015-H	SOT-23	PNP	0.2	-50	-0.1	450	1000	-5	-1	-0.3	150	150
MMS9015-L	SOT-23	PNP	0.2	-50	-0.1	200	450	-5	-1	-0.3	150	150

Small Signal Bipolar Transistors

Part Number	Package	Polarity	Power Dissipation	Collector-Emitter Breakdown Voltage	Collector Current	DC Current Gain				Base-Emitter Saturation Voltage	Transition Frequency	Operating Junction Temperature
			P_C (W)	V_{CEO}(V)	I_C (A)	H_{FE}(min)	H_{FE}(max)	V_{CE} (V)	I_C (mA)	V_{CE}(sat)(V)	f_t(MHz)	T_j(°C)
2SA1298-Y	SOT-23	PNP	0.2	-35	-0.8	160	320	-1	-100	-0.4	250	150
MMBTA56	SOT-23	PNP	0.225	-80	-0.5	100		-1	-10	-0.25	50	150
MMBTA55	SOT-23	PNP	0.225	-60	-0.5	100		-1	-10	-0.25	50	150
FMMT593	SOT-23	PNP	0.25	-120	-1	100	300	-5	-500	-0.3	150	150
PBHV9050T	SOT-23	PNP	0.3	-500	-0.15	100	300	-10	-10	-0.2	50	150
MMBTA92	SOT-23	PNP	0.3	-300	-0.3	100	200	-10	-10	-0.2	50	150
MMBT5401	SOT-23	PNP	0.3	-160	-0.6	100	300	-5	-10	-0.5	100	150
BC807-16	SOT-23	PNP	0.3	-50	-0.5	100	250	-1	-100	-0.7	100	150
BC807-25	SOT-23	PNP	0.3	-50	-0.5	160	400	-1	-100	-0.7	100	150
BC807-40	SOT-23	PNP	0.3	-50	-0.5	250	600	-1	-100	-0.7	100	150
FMMT5240	SOT-23	PNP	0.3	-40	-2	300		-2	-100	-0.35	100	150
FMMT591B	SOT-23	PNP	0.3	-40	-1	300		-5	-1	-0.2	150	150
MMBT3906	SOT-23	PNP	0.3	-40	-0.2	100	300	-1	-10	-0.25	250	150
MMS8550A-H	SOT-23	PNP	0.3	-40	-0.5	200	350	-1	-50	-0.6	150	150
MMS8550A-L	SOT-23	PNP	0.3	-40	-0.5	120	200	-1	-50	-0.6	150	150
MMS8550-H	SOT-23	PNP	0.3	-40	-0.5	200	350	-1	-50	-0.6	150	150
MMS8550-L	SOT-23	PNP	0.3	-40	-0.5	120	200	-1	-50	-0.6	150	150
MMS9012-H	SOT-23	PNP	0.3	-40	-0.5	200	350	-1	-50	-0.6	150	150
MMSS8550-H	SOT-23	PNP	0.3	-40	-1.5	200	350	-1	-100	-0.5	100	150
MMSS8550-L	SOT-23	PNP	0.3	-40	-1.5	120	200	-1	-100	-0.5	100	150
FMMT5130	SOT-23	PNP	0.3	-30	-1	300		-2	-100	-0.1	100	150
MMBTA63	SOT-23	PNP	0.3	-30	-0.5	5000		-5	-10	-1.5	125	150
MMBTA64	SOT-23	PNP	0.3	-30	-0.5	10000		-5	-10	-1.5	125	150
BC856A	SOT-23	PNP	0.31	-80	-0.1	125	250	-5	-2	-0.3	200	150
BC856B	SOT-23	PNP	0.31	-80	-0.1	220	475	-5	-2	-0.3	200	150
BC857A	SOT-23	PNP	0.31	-50	-0.1	125	250	-5	-2	-0.3	200	150
BC857B	SOT-23	PNP	0.31	-50	-0.1	220	475	-5	-2	-0.3	200	150
BC857C	SOT-23	PNP	0.31	-50	-0.1	420	800	-5	-2	-0.3	200	150
BC858A	SOT-23	PNP	0.31	-30	-0.1	125	250	-5	-2	-0.3	200	150
BC858B	SOT-23	PNP	0.31	-30	-0.1	220	475	-5	-2	-0.3	200	150
BC858C	SOT-23	PNP	0.31	-30	-0.1	420	800	-5	-2	-0.3	200	150
BCW68G	SOT-23	PNP	0.33	-60	-0.8	160	240	-1	-100	-0.3	200	150
BCW68H	SOT-23	PNP	0.33	-60	-0.8	250	630	-2	-100	-0.3	100	150
MMBT2907A	SOT-23	PNP	0.35	-60	-0.6	100		-10	-10	-0.4	200	150
MMBT4403	SOT-23	PNP	0.35	-40	-0.6	100		-1	-10	-0.4	200	150
FMMT718	SOT-23	PNP	0.35	-20	-1.5	300		-2	-10	-0.2	150	150
FMMT591	SOT-23	PNP	0.5	-80	-1	100	300	-5	-500	-0.6	150	150
FMMT619L	SOT-23-3L	NPN	0.2	50	2	200		2	10	0.02	100	150
MMBTA28L	SOT-23-3L	NPN	0.2	80	0.5	10000		5	10	1.2	125	150
2SAR512L	SOT-23-3L	PNP	0.2	-30	-2	200	500	-2	-100	-0.4	350	150
BC817DS	SOT23-6L	NPN*2	0.3	50	0.5	160	400	1	100	0.7	100	150
BC846DS	SOT23-6L	NPN*2	0.3	80	0.1	200	450	5	2	0.3	100	150
SMBT5551	SOT23-6L	NPN*2	0.3	180	0.6	100	250	5	10	0.15	300	150
BC817DPN	SOT23-6L	NPN+PNP	0.37	50/-50	0.5/-0.5	160/160	400/400	1/-1	100/-100	0.7/-0.7	100/80	150

Small Signal Bipolar Transistors

Part Number	Package	Polarity	Power Dissipation	Collector-Emitter Breakdown Voltage	Collector Current	DC Current Gain				Base-Emitter Saturation Voltage	Transition Frequency	Operating Junction Temperature
			P_C (W)	V_{CEO}(V)	I_C (A)	H_{FE}(min)	H_{FE}(max)	V_{CE} (V)	I_C (mA)	V_{CE}(sat)(V)	f_t(MHz)	T_j(°C)
SMBT2227A	SOT23-6L	NPN+PNP	0.7	75/-60	0.6/-0.6	100/100	300/300	10/-10	150/-150	0.3/-0.4	300/200	150
SMBT445V6A	SOT23-6L	NPN+Zener	0.38	50	0.5	250	600	1	0.1	0.7	100	150
SMBT445V6	SOT23-6L	NPN+Zener	0.38	60	0.6	100	300	1	0.15	0.4	250	150
BC856DS	SOT23-6L	PNP*2	0.3	-80	-0.1	200	480	-5	-2	-0.65	100	150
BC807DS	SOT23-6L	PNP*2	0.3	-50	-0.5	160	400	-1	-100	-0.7	80	150
SMBT2907A	SOT23-6L	PNP*2	0.7	-60	-0.6	100	300	-10	-150	-0.4	200	150
BC848AW	SOT-323	NPN	0.2	30	0.1	110	220	5	2	0.25	100	150
BC848BW	SOT-323	NPN	0.2	30	0.1	200	450	5	2	0.25	100	150
BC848CW	SOT-323	NPN	0.2	30	0.1	420	800	5	2	0.25	100	150
2SC4097-P	SOT-323	NPN	0.2	40	0.5	82	180	3	10	0.4	250	150
2SC4097-Q	SOT-323	NPN	0.2	40	0.5	120	270	3	10	0.4	250	150
2SC4097-R	SOT-323	NPN	0.2	40	0.5	180	390	3	10	0.4	250	150
MMSS8050W-H	SOT-323	NPN	0.2	40	1.5	200	350	1	100	0.5	100	150
MMSS8050W-L	SOT-323	NPN	0.2	40	1.5	120	200	1	100	0.5	100	150
BC817-16W	SOT-323	NPN	0.2	50	0.5	100	250	1	100	0.7	100	150
BC817-25W	SOT-323	NPN	0.2	50	0.5	160	400	1	100	0.7	100	150
BC817-40W	SOT-323	NPN	0.2	50	0.5	250	600	1	100	0.7	100	150
BC847AW	SOT-323	NPN	0.2	50	0.1	110	220	5	2	0.25	100	150
BC847BW	SOT-323	NPN	0.2	50	0.1	200	450	5	2	0.25	100	150
BC847CW	SOT-323	NPN	0.2	50	0.1	420	800	5	2	0.25	100	150
2SC4081-A	SOT-323	NPN	0.2	60	0.15	120	270	6	1	0.4	180	150
2SC4081-B	SOT-323	NPN	0.2	60	0.15	180	390	6	1	0.4	180	150
MMST3904	SOT-323	NPN	0.2	60	0.2	100	300	1	10	0.3	300	150
MMST4401	SOT-323	NPN	0.2	60	0.6	100	300	2	500	0.4	250	150
MMSTA05	SOT-323	NPN	0.2	60	0.5	100	400	1	10	0.25	100	150
MMST2222A	SOT-323	NPN	0.2	75	0.6	100	300	10	150	0.6	300	150
BC846AW	SOT-323	NPN	0.2	80	0.1	110	220	5	2	0.25	100	150
BC846BW	SOT-323	NPN	0.2	80	0.1	200	450	5	2	0.25	100	150
MMSTA06	SOT-323	NPN	0.2	80	0.5	100	400	1	10	0.25	100	150
MMST5551	SOT-323	NPN	0.2	180	0.2	30		5	50	0.2	300	150
MMSTA42	SOT-323	NPN	0.2	300	0.2	40		10	10	0.5	50	150
MMSTA92	SOT-323	PNP	0.2	-300	-0.1	40		-10	-10	-0.4	50	150
MMST5401	SOT-323	PNP	0.2	-160	-0.2	60	300	-5	-10	-0.5	300	150
BC856AW	SOT-323	PNP	0.2	-80	-0.1	125	250	-5	-2	-0.65	100	150
BC856BW	SOT-323	PNP	0.2	-80	-0.1	220	475	-5	-2	-0.65	100	150
MMSTA56	SOT-323	PNP	0.2	-80	-0.5	100		-1	-10	-0.25	100	150
2SA1576A-Q	SOT-323	PNP	0.2	-60	-0.15	120	270	-6	-1	-0.5	100	150
2SA1576A-R	SOT-323	PNP	0.2	-60	-0.15	180	390	-6	-1	-0.5	100	150
MMST2907A	SOT-323	PNP	0.2	-60	-0.6	100		-10	-1	-1.6	200	150
BC807-16W	SOT-323	PNP	0.2	-50	-0.5	100	250	-1	-100	-0.7	80	150
BC807-25W	SOT-323	PNP	0.2	-50	-0.5	160	400	-1	-100	-0.7	80	150
BC807-40W	SOT-323	PNP	0.2	-50	-0.5	250	600	-1	-100	-0.7	80	150
BC857AW	SOT-323	PNP	0.2	-50	-0.1	125	250	-5	-2	-0.65	100	150
BC857BW	SOT-323	PNP	0.2	-50	-0.1	220	475	-5	-2	-0.65	100	150

Small Signal Bipolar Transistors

Part Number	Package	Polarity	Power Dissipation	Collector-Emitter Breakdown Voltage	Collector Current	DC Current Gain				Base-Emitter Saturation Voltage	Transition Frequency	Operating Junction Temperature
			P_c (W)	V_{CEO}(V)	I_c (A)	H_{FE}(min)	H_{FE}(max)	V_{CE} (V)	I_c (mA)	V_{CE}(sat)(V)	f_t(MHz)	T_j(°C)
BC857CW	SOT-323	PNP	0.2	-50	-0.1	420	800	-5	-2	-0.65	100	150
2SA1577-R	SOT-323	PNP	0.2	-40	-0.5	180	390	-3	-10	-0.4	200	150
MMSS8550W-H	SOT-323	PNP	0.2	-40	-1.5	200	350	-1	-100	-0.5	100	150
MMST3906	SOT-323	PNP	0.2	-40	-0.2	100	300	-1	-10	-0.3	300	150
MMST4403	SOT-323	PNP	0.2	-40	-0.6	100	300	-2	-150	-0.4	200	150
BC858AW	SOT-323	PNP	0.2	-30	-0.1	125	250	-5	-2	-0.65	100	150
BC858BW	SOT-323	PNP	0.2	-30	-0.1	220	475	-5	-2	-0.65	100	150
BC858CW	SOT-323	PNP	0.2	-30	-0.1	420	800	-5	-2	-0.65	100	150
UMX1N	SOT-363	NPN*2	0.15	60	0.15	120	560	6	1	0.4	180	150
MMDT2222A	SOT-363	NPN*2	0.15	75	0.6	100	300	10	150	1	300	150
DMMT3904	SOT-363	NPN*2	0.2	60	0.2	100	300	1	10	0.3	300	150
MMDT3904	SOT-363	NPN*2	0.2	60	0.2	100	300	1	10	0.3	300	150
MMDT4401	SOT-363	NPN*2	0.2	60	0.6	40		2	500	0.75	250	150
BC846BS	SOT-363	NPN*2	0.2	80	0.1	200	450	5	2	0.1	80	150
BC846S	SOT-363	NPN*2	0.2	80	0.1	110		5	2	0.1	80	150
MMDT5551	SOT-363	NPN*2	0.2	180	0.2	100	300	5	10	0.15	300	150
BC847BS	SOT-363	NPN*2	0.3	50	0.1	200	450	5	2	0.6	100	150
MMDT5451	SOT-363	NPN+PNP	0.2	180/-160	0.2/-0.2	100/100	300/300	5/-5	10/-10	0.15/-0.2	100/100	150
BC847PN	SOT-363	NPN+PNP	0.2	50/-50	0.1/-0.1	200/200	450/450	5/-5	2/-2	0.25	100/100	150
MMDT3946	SOT-363	NPN+PNP	0.2	60/-40	0.2/-0.2	100/100	300/300	1/-1	10/-10	0.3/-0.4	300/250	150
MMDT4413	SOT-363	NPN+PNP	0.2	60/-40	0.6/-0.6	100/100	300/300	1/-2	150/-150	0.75/-0.75	250/200	150
MMDT2227	SOT-363	NPN+PNP	0.2	75/-60	0.6/-0.6	100/100	300/300	10/-10	150/-150	0.3/-0.4	300	150
BC846BPN	SOT-363	NPN+PNP	0.2	80/-80	0.1/-0.1	200/200	450/450	5/-5	2/-2	0.1/-0.3	100/100	150
UMZ2N	SOT-363	NPN+PNP	0.15	60/-60	0.15/-0.15	120/120	560/560	6/-6	1/-1	0.4/-0.5	180/140	150
UMT1N	SOT-363	PNP*2	0.15	-60	-0.15	120	560	-6	-1	-0.5	140	150
MMDT5401	SOT-363	PNP*2	0.2	-160	-0.2	100	300	-5	-10	-0.5	300	150
BC856BS	SOT-363	PNP*2	0.2	-80	-0.1	200	450	-5	-2	-0.3	100	150
BC856S	SOT-363	PNP*2	0.2	-80	-0.1	110		-5	-2	-0.65	100	150
MMDT2907A	SOT-363	PNP*2	0.2	-60	-0.6	100		-10	-10	-0.4	200	150
DMMT3906	SOT-363	PNP*2	0.2	-40	-0.2	100	300	-1	-10	-0.4	250	150
MMDT3906	SOT-363	PNP*2	0.2	-40	-0.2	100	300	-1	-10	-0.4	250	150
MMDT4403	SOT-363	PNP*2	0.2	-40	-0.6	20		-2	-500	-0.75	200	150
BC857BS	SOT-363	PNP*2	0.3	-50	-0.2	220	475	-5	-2	-0.3	200	150
BC857S	SOT-363	PNP*2	0.3	-50	-0.2	125	630	-5	-2	-0.3	200	150
BC848CSS	SOT-363S	NPN*2	0.2	30	0.1	420	800	5	0.002	0.6	100	150
BC847BSS	SOT-363S	NPN*2	0.2	50	0.1	200	450	5	2	0.25	100	150
MMDT3904S	SOT-363S	NPN*2	0.2	60	0.2	100	300	1	10	0.2	250	150
BC846BSS	SOT-363S	NPN*2	0.2	80	0.1	200	450	5	2	0.1	80	150
BC856SS	SOT-363S	PNP*2	0.2	-80	-0.1	110		-5	-2	-0.65	100	150
2SC4617-R	SOT-523	NPN	0.15	50	0.15	180	390	6	1	0.4	180	150
BC847AT	SOT-523	NPN	0.15	50	0.1	110	220	5	2	0.6	100	150
BC847BT	SOT-523	NPN	0.15	50	0.1	200	450	5	2	0.6	100	150
BC847CT	SOT-523	NPN	0.15	50	0.1	420	800	5	2	0.6	100	150
MMBT3904T	SOT-523	NPN	0.15	60	0.2	100	300	1	10	0.3	300	150

Small Signal Bipolar Transistors

Part Number	Package	Polarity	Power Dissipation	Collector-Emitter Breakdown Voltage	Collector Current	DC Current Gain				Base-Emitter Saturation Voltage	Transition Frequency	Operating Junction Temperature
			P_C (W)	V_{CEO}(V)	I_C (A)	H_{FE}(min)	H_{FE}(max)	V_{CE} (V)	I_C (mA)	V_{CE}(sat)(V)	f_t(MHz)	T_j(°C)
MMBT2222AT	SOT-523	NPN	0.15	75	0.6	100	300	10	150	1	300	150
MMBT2222ATS	SOT-523	NPN	0.15	75	0.6	100	300	10	150	1	300	150
BC856AT	SOT-523	PNP	0.15	-80	-0.1	125	250	-5	-2	-0.65	200	150
BC856BT	SOT-523	PNP	0.15	-80	-0.1	220	475	-5	-2	-0.65	200	150
2SA1774-R	SOT-523	PNP	0.15	-60	-0.15	180	390	-6	-1	-0.5	140	150
MMBT2907AT	SOT-523	PNP	0.15	-60	-0.6	100	300	-10	-10	-0.4	140	150
BC857AT	SOT-523	PNP	0.15	-50	-0.1	125	250	-5	-2	-0.65	100	150
BC857BT	SOT-523	PNP	0.15	-50	-0.1	220	475	-5	-2	-0.65	100	150
BC857CT	SOT-523	PNP	0.15	-50	-0.1	420	800	-5	-2	-0.65	100	150
MMBT3906T	SOT-523	PNP	0.15	-40	-0.2	100	300	-1	-10	-0.25	250	150
BC847BV	SOT-563	NPN*2	0.15	50	0.1	200	450	5	2	0.3	100	150
MMDT3904V	SOT-563	NPN*2	0.2	60	0.2	30		1	100	0.3	300	150
MMDT3946V	SOT-563	NPN+PNP	0.15	60/-40	0.2/-0.2	100/100	300/300	1/-1	10/-10	0.3/-0.4	300/250	150
EMZ1	SOT-563	NPN+PNP	0.15	60/-60	0.15/-0.15	120/120	560/560	6/-6	1/-1	0.4/-0.5	180/140	150
EMZ7	SOT-563	NPN+PNP	0.2	15/-15	0.5/-0.5	200/200		2/-2	10/-10	0.22/-0.22	420/280	150
BC847VPN	SOT-563	NPN+PNP	0.2	50/-50	0.1/-0.1	200/220	450/475	5/-5	2/-2	0.25/-0.3	100/100	150
MMDT2907V	SOT-563	PNP*2	0.15	-60	-0.6	100		-10	-1	-0.4	200	150
BC857BV	SOT-563	PNP*2	0.15	-50	-0.1	200	475	-5	-2	-0.4	100	150
BC857BVP	SOT-563	PNP*2	0.15	-50	-0.1	220	450	-5	-2	-0.4	100	150
MMDT3906V	SOT-563	PNP*2	0.15	-40	-0.2	100	300	-1	-10	-0.4	250	150
BC858CV	SOT-563	PNP*2	0.15	-30	-0.1	420	800	-5	-2	-0.3	100	150
MMBT2222AM	SOT-723	NPN	0.1	75	0.6	100	300	10	0.15	0.3		150
BC848AM3	SOT-723	NPN	0.265	30	0.1	110	220	5	2	0.3	100	150
BC848BM3	SOT-723	NPN	0.265	30	0.1	200	450	5	2	0.3	100	150
BC848CM3	SOT-723	NPN	0.265	30	0.1	420	800	5	2	0.3	100	150
BC847AM3	SOT-723	NPN	0.265	50	0.1	110	220	5	2	0.3	100	150
BC847BM3	SOT-723	NPN	0.265	50	0.1	200	450	5	2	0.3	100	150
BC847CM3	SOT-723	NPN	0.265	50	0.1	420	800	5	2	0.3	100	150
BC846AM3	SOT-723	NPN	0.265	80	0.1	110	220	5	2	0.3	100	150
BC846BM3	SOT-723	NPN	0.265	80	0.1	200	450	5	2	0.3	100	150
BC856AM3	SOT-723	PNP	0.265	-80	-0.1	110	220	-5	-2	-0.3	100	150
BC856BM3	SOT-723	PNP	0.265	-80	-0.1	200	450	-5	-2	-0.3	100	150
BC857AM3	SOT-723	PNP	0.265	-50	-0.1	110	220	-5	-2	-0.3	100	150
BC857BM3	SOT-723	PNP	0.265	-50	-0.1	200	450	-5	-2	-0.3	100	150
BC857CM3	SOT-723	PNP	0.265	-50	-0.1	420	800	-5	-2	-0.3	100	150
BC858AM3	SOT-723	PNP	0.265	-30	-0.1	110	220	-5	-2	-0.3	100	150
BC858BM3	SOT-723	PNP	0.265	-30	-0.1	200	450	-5	-2	-0.3	100	150
BC858CM3	SOT-723	PNP	0.265	-30	-0.1	420	800	-5	-2	-0.3	100	150
BCV61C	SOT-143	NPN*2	0.25	30	0.1	420	800	5	2	0.6	100	150
BCV62C	SOT-143	PNP*2	0.25	-30	-0.1	420	800	-5	-2	-0.65	100	150

Transistors

Medium Power Bipolar Transistors

Part Number	Package	Polarity	Power Dissipation	Collector-Emitter Breakdown Voltage	Collector Current	DC Current Gain				Base-Emitter Saturation Voltage	Transition Frequency	Operating Junction Temperature
			P_C (W)	V_{CEO}(V)	I_C (A)	H_{FE}(min)	H_{FE}(max)	V_{CE} (V)	I_C (mA)	V_{CE}(sat)(V)	f_T(MHz)	T_j(°C)
MJD31C	DPAK	NPN	1.25	100	3	10	75	4	3000	1.2	3	150
MJD31CS	DPAK	NPN	1.25	100	3	10	75	4	3000	1.2	3	150
MJD41C	DPAK	NPN	1.25	100	6	15	155	4	3	1.5	3	150
MJD44C	DPAK	NPN	1.25	100	8	40		1	4000	1	10	150
MJD122	DPAK	NPN	1.50	100	8	1000	12000	4	4	2		150
MJD122S	DPAK	NPN	1.50	100	5	1000	12000	4	3	2		150
2SB1184-Q	DPAK	PNP	1.00	-60	-3	120	270	-3	-500	-1	70	150
2SB1412-R	DPAK	PNP	1.00	-20	-5	180	390	-2	-500	-1	120	150
MJD32C	DPAK	PNP	1.25	-100	-3	10	50	-4	-3000	-1.2	3	150
MJD45C	DPAK	PNP	1.25	-100	-8	60		-1	-2000	-1		150
MJD127	DPAK	PNP	1.50	-100	-8	1000	12000	-4	-4000	-2		150
FMMT4350Z	SOT-223	NPN	0.50	60	3	200		500	2	0.29	150	150
FMMT306NZ	SOT-223	NPN	0.50	100	5.1	200		2	500	0.245	100	150
FMMT304NZ	SOT-223	NPN	1.00	60	5.2	300		500	2	0.28	140	150
PZT3904	SOT-223	NPN	1.00	60	0.2	100	300	1	10	0.2	300	150
PZT2222A	SOT-223	NPN	1.00	75	0.6	100	300	10	150	0.3	300	150
PZT5551	SOT-223	NPN	1.00	180	0.6	80		5	1	0.15	300	150
PZTA42	SOT-223	NPN	1.00	300	0.2	25		10	1	0.5	50	150
PZTA44	SOT-223	NPN	1.00	400	0.2	50	200	10	10	0.5	20	150
BCP54-16	SOT-223	NPN	1.50	45	1	100	250	2	150	0.5	100	150
BCP55-16	SOT-223	NPN	1.50	60	1	100	250	2	150	0.5	100	150
BCP56-16	SOT-223	NPN	1.50	100	1	100	250	2	150	0.5	100	150
FZT560	SOT-223	PNP	0.50	-500	-0.15	80	300	-10	-50	-0.2		150
FMMT306PZ	SOT-223	PNP	0.50	-100	-4.1	200		-2	-500	-0.3	100	150
FMMT304PZ	SOT-223	PNP	0.50	-60	-4.5	200		-2	-500	-0.375	130	150
FMMT5350Z	SOT-223	PNP	0.50	-60	-3	200		-2	-500	-0.3	150	150
PZT2907A	SOT-223	PNP	1.00	-60	-0.6	100	300	-10	-150	-0.4	200	150
BCP53-16	SOT-223	PNP	1.50	-100	-1	100	250	-2	-150	-0.5	100	150
BCP52-16	SOT-223	PNP	1.50	-60	-1	100	250	-2	-150	-0.5	100	150
BCP51-16	SOT-223	PNP	1.50	-45	-1	100	250	-2	-150	-0.5	100	150
2SD1664-R	SOT-89	NPN	0.50	40	1	180	390	3	100	0.4	150	150
BD882-Y	SOT-89	NPN	0.50	40	3	160	320	2	1000	0.5	50	150
FMMT4240X	SOT-89	NPN	0.50	40	2	300	900	5	500	0.51	200	150
FMMT4540X	SOT-89	NPN	0.50	40	4	300		2	500	0.355	100	150
PXT8050-D	SOT-89	NPN	0.50	40	1.5	160	300	1	100	0.5	100	150
BCX54	SOT-89	NPN	0.50	45	1	63	250	2	150	0.5	130	150
BCX54-16	SOT-89	NPN	0.50	45	1	100	250	2	150	0.5	130	150
2SC2873-Y	SOT-89	NPN	0.50	50	2	120	240	2	500	0.5	120	150
FMMT4350X	SOT-89	NPN	0.50	50	3	300	700	2	1000	0.37	100	150
BCX55	SOT-89	NPN	0.50	60	1	63	250	2	150	0.5	130	150
BCX55-16	SOT-89	NPN	0.50	60	1	100	250	2	150	0.5	130	150
PXT3904	SOT-89	NPN	0.50	60	0.2	100	300	1	10	0.2	300	150
BD882HY	SOT-89	NPN	0.50	70	3	160	320	2	1000	0.5	50	150
PXT2222A	SOT-89	NPN	0.50	75	0.6	100	300	10	150	0.3	300	150

Medium Power Bipolar Transistors

Part Number	Package	Polarity	Power Dissipation	Collector-Emitter Breakdown Voltage	Collector Current	DC Current Gain				Base-Emitter Saturation Voltage	Transition Frequency	Operating Junction Temperature
			P_C (W)	V_{CEO}(V)	I_C (A)	H_{FE}(min)	H_{FE}(max)	V_{CE} (V)	I_C (mA)	V_{CE}(sat)(V)	f_T(MHz)	T_j(°C)
2SD1898-R	SOT-89	NPN	0.50	100	1	180	390	3	500	0.15	100	150
BCX56	SOT-89	NPN	0.50	100	1	63	250	2	150	0.5	130	150
BCX56-16	SOT-89	NPN	0.50	100	1	100	250	2	150	0.5	130	150
FMMT306NX	SOT-89	NPN	0.50	100	4.5	200		2	500	0.245	100	150
2SC2881-Y	SOT-89	NPN	0.50	120	0.8	120	240	5	100	1	120	150
2SC2383P-O	SOT-89	NPN	0.50	160	1	100	200	5	200	1	20	150
2SC2383P-Y	SOT-89	NPN	0.50	160	1	160	320	5	200	1	20	150
CXT5551	SOT-89	NPN	0.50	180	0.6	80		5	1	0.15	100	150
PXTA44	SOT-89	NPN	0.50	500	0.3	50	200	10	10	0.4		150
FMMT4140X	SOT-89	PNP	0.50	-180	-4	100	300	-5	-1000	-0.36		150
2SB1013-O	SOT-89	PNP	0.50	-160	-1	100	200	-5	-200	-1.5	15	150
2SB1013-P	SOT-89	PNP	0.50	-160	-1	160	320	-5	-200	-1.5	15	150
CXT5401	SOT-89	PNP	0.50	-160	-0.5	50		-5	-1	-0.2	100	150
BCX53	SOT-89	PNP	0.50	-100	-1	63	250	-2	-150	-0.5	50	150
BCX53-16	SOT-89	PNP	0.50	-100	-1	100	250	-2	-150	-0.5	50	150
FMMT306PX	SOT-89	PNP	0.50	-100	-3.7	200		-2	-500	-0.3	100	150
BSR33	SOT-89	PNP	0.50	-90	-1	100	300	-5	-100	-0.5	100	150
2SA1900	SOT-89	PNP	0.50	-60	-1	120	270	-3	-500	-0.4		150
BCX52	SOT-89	PNP	0.50	-60	-1	63	250	-2	-150	-0.5	50	150
BCX52-16	SOT-89	PNP	0.50	-60	-1	100	250	-2	-150	-0.5	50	150
2SA1213-Y	SOT-89	PNP	0.50	-50	-2	120	240	-2	-500	-0.5	120	150
2SA2016	SOT-89	PNP	0.50	-50	-7	200	560	-2	-500	-0.4	290	150
FMMT5350X	SOT-89	PNP	0.50	-50	-3	200		-2	-500	-0.09	100	150
2SB1188-Q	SOT-89	PNP	0.50	-40	-2	120	270	-3	-500	-0.8	80	150
BD772-Y	SOT-89	PNP	0.50	-40	-3	160	320	-2	-1000	-0.5	80	150
FMMT5240X	SOT-89	PNP	0.50	-40	-2	300		-5	-1	-0.14	100	150
FMMT5540X	SOT-89	PNP	0.50	-40	-4	250		-2	-500	-0.12	90	150
PXT3906	SOT-89	PNP	0.50	-40	-0.2	100	300	-1	-10	-0.25	250	150
BC869	SOT-89	PNP	0.50	-32	-1	100	375	-1	-500	-0.5	40	150
BC869-25	SOT-89	PNP	0.50	-32	-1	160	375	-1	-500	-0.5	40	150
2SB1386-R	SOT-89	PNP	0.50	-30	-5	180	390	-2	-500	-1	120	150
FMMT5330X	SOT-89	PNP	0.50	-30	-3	175	450	-2	-1000	-0.32	120	150
TIP31C	TO-220	NPN	2.00	100	3	25		4	1000	1.2	3	150
TIP41C	TO-220	NPN	2.00	100	6	30		4	300	1.5	3	150
TIP122L	TO-220	NPN	65.00	100	5	1000		3	500	2		150
TIP122S	TO-220	NPN	65.00	100	5	1000	2	3	3	2.5		150
TIP127L	TO-220	PNP	2.00	-100	-5	1000		-3	-500	-2		150
TIP32C	TO-220	PNP	2.00	-100	-3	25		-4	-1000	-1.2	3	150
TIP42C	TO-220	PNP	2.00	-100	-6	30		-4	-300	-1.5	3	150
TIP42A	TO-220	PNP	2.00	-60	-6	30		-4	-300	-1.5	3	150

Transistors

Pre-biased Transistors

Part Number	Package	Polarity	Power Dissipation	Output Current	Supply Voltage	Input Resistance		Transition frequency	Operating Junction Temperature
			P_D(mW)	I_O(mA)	V_{CC}(V)	R_1(KΩ)	R_2(KΩ)	f_T(MHZ)	T_J(°C)
DTC144EL3	DFN1006-3	NPN	150	100	50	47	47	200	150
DTA114EL3	DFN1006-3	PNP	150	-100	-50	10	10	145	150
DDTC114ECA	SOT-23	NPN	200	500	50	10	10	160	150
DDTC123ECA	SOT-23	NPN	200	500	50	2.2	2.2	160	150
DDTC123YCA	SOT-23	NPN	200	500	50	2.2	10	200	150
DDTC142TC	SOT-23	NPN	200	500	50	0.47		200	150
DDTC143ECA	SOT-23	NPN	200	500	50	4.7	4.7	160	150
DTC113ZCA	SOT-23	NPN	200	100	50	1	10	250	150
DTC114TCA	SOT-23	NPN	200	100	50	10		250	150
DTC123ECA	SOT-23	NPN	200	100	50	2.2	2.2	250	150
DTC123JCA	SOT-23	NPN	200	100	50	2.2	47	250	150
DTC123YCA	SOT-23	NPN	200	100	50	2.2	10	250	150
DTC124ECA	SOT-23	NPN	200	100	50	22	22	250	150
DTC124XCA	SOT-23	NPN	200	100	50	22	47	200	150
DTC143ECA	SOT-23	NPN	200	100	50	4.7	4.7	250	150
DTC143TCA	SOT-23	NPN	200	100	50	4.7		250	150
DTC143XCA	SOT-23	NPN	200	100	50	4.7	10	200	150
DTC144ECA	SOT-23	NPN	200	100	50	47	47	250	150
DTC144TCA	SOT-23	NPN	200	100	50	47		250	150
DTC114YCA	SOT-23	NPN	230	100	50	10	47	250	150
DTC114ECA	SOT-23	NPN	246	100	50	10	10	250	150
DTC143ZCA	SOT-23	NPN	246	100	50	4.7	47	250	150
DDTC113ZCA	SOT-23	NPN	250	500	50	1	10	250	150
DDTA113ZCA	SOT-23	PNP	200	-500	-50	1	10	160	150
DDTA123ECA	SOT-23	PNP	200	-500	-50	2.2	2.2	250	150
DDTA123YCA	SOT-23	PNP	200	-500	-50	2.2	10	200	150
DDTA143ECA	SOT-23	PNP	200	-500	-50	4.7	4.7	160	150
DTA113ZCA	SOT-23	PNP	200	-100	-50	1	10	250	150
DTA114ECA	SOT-23	PNP	200	-100	-50	10	10	250	150
DTA114TCA	SOT-23	PNP	200	-100	-50	10		250	150
DTA114YCA	SOT-23	PNP	200	-100	-50	10	47	250	150
DTA115ECA	SOT-23	PNP	200	-100	-50	100	100	200	150
DTA123ECA	SOT-23	PNP	200	-100	-50	2.2	2.2	250	150
DTA123JCA	SOT-23	PNP	200	-100	-50	2.2	47	250	150
DTA123YCA	SOT-23	PNP	200	-100	-50	2.2	10	250	150
DTA124ECA	SOT-23	PNP	200	-100	-50	22	22	250	150
DTA124XCA	SOT-23	PNP	200	-100	-50	22	47	200	150
DTA143ECA	SOT-23	PNP	200	-100	-50	4.7	4.7	250	150
DTA143XCA	SOT-23	PNP	200	-100	-50	4.7	10	250	150
DTA143ZCA	SOT-23	PNP	200	-100	-50	4.7	47	250	150
DTA144ECA	SOT-23	PNP	200	-100	-50	47	47	250	150
DTA144VCA	SOT-23	PNP	200	-100	-50	47	10	200	150
DTC114EKA	SOT-23-3L	NPN	200	100	50	10	10	200	150
DTA114EKA	SOT-23-3L	PNP	200	-100	-50	10	10	200	150

Pre-biased Transistors

Part Number	Package	Polarity	Power Dissipation	Output Current	Supply Voltage	Input Resistance		Transition frequency	Operating Junction Temperature
			P_D(mW)	I_O(mA)	V_{CC}(V)	R_1(KΩ)	R_2(KΩ)	f_T(MHZ)	T_J(°C)
IMH31N	SOT23-6L	NPN*2	300	100	50	1	10	200	150
IMH8N	SOT23-6L	NPN*2	300	100	50	10		200	150
DDTC113ZUA	SOT-323	NPN	200	500	50	1	10	200	150
DDTC114EUA	SOT-323	NPN	200	500	50	10	10	160	150
DDTC123EUA	SOT-323	NPN	200	500	50	2.2	2.2	160	150
DDTC123YUA	SOT-323	NPN	200	500	50	2.2	10	160	150
DDTC143EUA	SOT-323	NPN	200	500	50	4.7	4.7	160	150
DTC113ZUA	SOT-323	NPN	200	100	50	1	10	250	150
DTC114EUA	SOT-323	NPN	200	100	50	10	10	250	150
DTC114TUA	SOT-323	NPN	200	100	50	10		250	150
DTC114YUA	SOT-323	NPN	200	100	50	10	47	250	150
DTC123EUA	SOT-323	NPN	200	100	50	2.2	2.2	250	150
DTC123JUA	SOT-323	NPN	200	100	50	2.2	47	250	150
DTC123YUA	SOT-323	NPN	200	100	50	2.2	10	250	150
DTC124EUA	SOT-323	NPN	200	100	50	22	22	250	150
DTC124TUA	SOT-323	NPN	200	100	50	22		250	150
DTC124XUA	SOT-323	NPN	200	100	50	22	47	200	150
DTC143EUA	SOT-323	NPN	200	100	50	4.7	4.7	250	150
DTC143TUA	SOT-323	NPN	200	100	50	4.7		250	150
DTC143XUA	SOT-323	NPN	200	100	50	4.7	10	250	150
DTC143ZUA	SOT-323	NPN	200	100	50	4.7	47	250	150
DTC144EUA	SOT-323	NPN	200	100	50	47	47	250	150
DTC144TUA	SOT-323	NPN	200	100	50	47		250	150
DDTA113ZUA	SOT-323	PNP	200	-500	-50	1	10	200	150
DDTA123EUA	SOT-323	PNP	200	-500	-50	2.2	2.2	200	150
DTA113ZUA	SOT-323	PNP	200	-100	-50	1	10	200	150
DTA114EUA	SOT-323	PNP	200	-100	-50	10	10	250	150
DTA114TUA	SOT-323	PNP	200	-100	-50	10		250	150
DTA114YUA	SOT-323	PNP	200	-100	-50	10	47	250	150
DTA115EUA	SOT-323	PNP	200	-100	-50	100	100	200	150
DTA123EUA	SOT-323	PNP	200	-100	-50	2.2	2.2	250	150
DTA123JUA	SOT-323	PNP	200	-100	-50	2.2	47	250	150
DTA123YUA	SOT-323	PNP	200	-100	-50	2.2	10	250	150
DTA124EUA	SOT-323	PNP	200	-100	-50	22	22	250	150
DTA124XUA	SOT-323	PNP	200	-100	-50	22	47	200	150
DTA143EUA	SOT-323	PNP	200	-100	-50	4.7	4.7	250	150
DTA143XUA	SOT-323	PNP	200	-100	-50	4.7	10	250	150
DTA143ZUA	SOT-323	PNP	200	-100	-50	4.7	47	250	150
DTA144EUA	SOT-323	PNP	200	-100	-50	47	47	250	150
DTA144VUA	SOT-323	PNP	200	-100	-50	47	10	200	150
UMH10N	SOT-363	NPN*2	150	100	50	2.2	47	250	150
UMH11N	SOT-363	NPN*2	150	100	50	10	10	250	150
UMH13N	SOT-363	NPN*2	150	100	50	4.7	47	250	150
UMH15N	SOT-363	NPN*2	150	100	50	4.7	4.7	250	150

Pre-biased Transistors

Part Number	Package	Polarity	Power Dissipation	Output Current	Supply Voltage	Input Resistance		Transition frequency	Operating Junction Temperature
			P_D(mW)	I_O(mA)	V_{CC}(V)	R_1(KΩ)	R_2(KΩ)	f_T(MHZ)	T_j(°C)
UMH1N	SOT-363	NPN*2	150	100	50	22	22	250	150
UMH2N	SOT-363	NPN*2	150	100	50	47	47	250	150
UMH3N	SOT-363	NPN*2	150	100	50	4.7		250	150
UMH9N	SOT-363	NPN*2	150	100	50	10	47	250	150
UMH18N	SOT-363	NPN*2	200	100	50	4.7	10	250	150
UMD10N	SOT-363	NPN+PNP	150	100/-100	50/-50	2.2	47	250	150
UMD11N	SOT-363	NPN+PNP	150	100/-100	50/-50	10	10	200	150
UMD12N	SOT-363	NPN+PNP	150	100/-100	50/-50	47	47	250	150
UMD13N	SOT-363	NPN+PNP	150	100/-100	50/-50	4.7	47	200	150
UMD15N	SOT-363	NPN+PNP	150	100/-100	50/-50	4.7	4.7	250	150
UMD16N	SOT-363	NPN+PNP	150	100/-100	50/-50	22	47	200	150
UMD18N	SOT-363	NPN+PNP	150	100/-100	50/-50	4.7	10	200	150
UMD22N	SOT-363	NPN+PNP	150	100/-100	50/-50	4.7	47	250	150
UMD2N	SOT-363	NPN+PNP	150	100/-100	50/-50	22	22	250	150
UMD3N	SOT-363	NPN+PNP	150	100/-100	50/-50	10	10	250	150
UMD9N	SOT-363	NPN+PNP	150	100/-100	50/-50	10	47	250	150
UMF21N	SOT-363	NPN+PNP	150	100/-100	50	10	10	250	150
UMB10N	SOT-363	PNP*2	150	-100	-50	2.2	47	200	150
UMB11N	SOT-363	PNP*2	150	-100	-50	10	10	200	150
UMB13N	SOT-363	PNP*2	150	-100	-50	4.7	47	200	150
UMB18N	SOT-363	PNP*2	150	-100	-50	4.7	10	200	150
UMB1N	SOT-363	PNP*2	150	-100	-50	22	22	200	150
UMB2N	SOT-363	PNP*2	150	-100	-50	47	47	200	150
UMB4N	SOT-363	PNP*2	150	-100	-50	10		250	150
UMB9N	SOT-363	PNP*2	150	-100	-50	10	47	200	150
UMH31NS	SOT-363S	NPN*2	150	100	50	1	10	250	150
UMD12NS	SOT-363S	NPN+PNP	150	100/-100	50/-50	47	47	200	150
UMD2NS	SOT-363S	NPN+PNP	150	100/-100	50/-50	22	22	200	150
UMB2NS	SOT-363S	PNP*2	150	-100	-50	47	47	200	150
DTC113ZE	SOT-523	NPN	150	100	50	1	10	250	150
DTC114EE	SOT-523	NPN	150	100	50	10	10	250	150
DTC114TE	SOT-523	NPN	150	100	50	10		250	150
DTC114WE	SOT-523	NPN	150	100	50	10	4.7	200	150
DTC114YE	SOT-523	NPN	150	100	50	10	47	250	150
DTC123EE	SOT-523	NPN	150	100	50	2.2	2.2	200	150
DTC123JE	SOT-523	NPN	150	100	50	2.2	47	250	150
DTC123YE	SOT-523	NPN	150	100	50	2.2	10	200	150
DTC124EE	SOT-523	NPN	150	100	50	22	22	250	150
DTC124XE	SOT-523	NPN	150	100	50	22	47	200	150
DTC143EE	SOT-523	NPN	150	100	50	4.7	4.7	250	150
DTC143TE	SOT-523	NPN	150	100	50	4.7		250	150
DTC143XE	SOT-523	NPN	150	100	50	4.7	10	200	150
DTC143ZE	SOT-523	NPN	150	100	50	4.7	47	250	150
DTC144EE	SOT-523	NPN	150	100	50	47	47	250	150

Pre-biased Transistors

Part Number	Package	Polarity	Power Dissipation	Output Current	Supply Voltage	Input Resistance		Transition frequency	Operating Junction Temperature
			P_D(mW)	I_O(mA)	V_{CC}(V)	R_1(KΩ)	R_2(KΩ)	f_T(MHZ)	T_j(°C)
DTC144TE	SOT-523	NPN	150	100	50	47		250	150
DTA113ZE	SOT-523	PNP	150	-100	-50	1	10	200	150
DTA114EE	SOT-523	PNP	150	-100	-50	10	10	250	150
DTA114TE	SOT-523	PNP	150	-100	-50	10		250	150
DTA114YE	SOT-523	PNP	150	-100	-50	10	47	200	150
DTA115EE	SOT-523	PNP	150	-100	-50	100	100	250	150
DTA123EE	SOT-523	PNP	150	-100	-50	2.2	2.2		150
DTA123JE	SOT-523	PNP	150	-100	-50	2.2	47	250	150
DTA124EE	SOT-523	PNP	150	-100	-50	22	22	250	150
DTA143EE	SOT-523	PNP	150	-100	-50	4.7	4.7	250	150
DTA143XE	SOT-523	PNP	150	-100	-50	4.7	10	200	150
DTA143ZE	SOT-523	PNP	150	-100	-50	4.7	47	250	150
DTA144EE	SOT-523	PNP	150	-100	-50	47	47	250	150
DTA144VE	SOT-523	PNP	150	-100	-50	47	10	200	150
EMH1	SOT-563	NPN*2	150	100	50	22	22	200	150
EMH10	SOT-563	NPN*2	150	100	50	2.2	47	250	150
EMH11	SOT-563	NPN*2	150	100	50	10	10	250	150
EMH13	SOT-563	NPN*2	150	100	50	4.7	47	250	150
EMH4	SOT-563	NPN*2	150	100	50	10		250	150
EMH9	SOT-563	NPN*2	150	100	50	10	47	200	150
EMD16	SOT-563	NPN+PNP	150	100/-100	50/-50	22	47	250	150
EMD2	SOT-563	NPN+PNP	150	100/-100	50/-50	22	22	200	150
EMD22	SOT-563	NPN+PNP	150	100/-100	50/-50	4.7	47	250	150
EMD9	SOT-563	NPN+PNP	150	100/-100	50/-50	10	47	250	150
EMD3	SOT-563	NPN+PNP	200	100/-100	50/-50	10	10	250	150
EMB1	SOT-563	PNP*2	150	-100	-50	22	22	200	150
EMB9	SOT-563	PNP*2	150	-100	-50	10	47	200	150
DTC113ZM	SOT-723	NPN	100	100	50	1	10	250	150
DTC115EM	SOT-723	NPN	100	100	50	100	100	250	150
DTC123EM	SOT-723	NPN	100	100	50	2.2	2.2	250	150
DTC123JM	SOT-723	NPN	100	100	50	2.2	47	250	150
DTC124XM	SOT-723	NPN	100	100	50	22	47	200	150
DTC143TM	SOT-723	NPN	100	100	50	4.7		250	150
DTC143ZM	SOT-723	NPN	100	100	50	4.7	47	250	150
DTC144EM	SOT-723	NPN	100	100	50	47	47	250	150
DTC114EM	SOT-723	NPN	150	100	50	10	10	250	150
DTC143EM	SOT-723	NPN	150	100	50	4.7	4.7	250	150
DTC114YM	SOT-723	NPN	200	100	50	10	47	250	150
DTA113ZM	SOT-723	PNP	100	-100	-50	1	10	250	150
DTA114EM	SOT-723	PNP	100	-100	-50	10	10	250	150
DTA114YM	SOT-723	PNP	100	-70	-50	10	47	250	150
DTA123JM	SOT-723	PNP	100	-100	-50	2.2	47	250	150
DTA144EM	SOT-723	PNP	100	-100	-50	47	47	250	150

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PRODUCT

MOSFETs

APPLICATION

Automotive Grade

Automotive MOSFETs

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Static Drain-Source On-Resistance	Static Drain-Source On-Resistance	Gate Source Voltage	Power Rating	Gate Threshold Voltage	Gate Threshold Voltage	Input Capacitance	Operating Junction Temperature	ESD Diodes (Y/N)
			V_{DS} (V)	I_D (A)	$R_{DS(ON)}$(Ω) @10V	$R_{DS(ON)}$(Ω) @4.5V	V_{GS} (V)	P_D(W)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	C_{iss}(pF)	T_j(°C)	
2SK3019HE3	SOT-523	N	30	0.115	4	5	±20	0.29	0.8	1.5	16	150	Yes
BSS138AKDWHE3	SOT-363	N+N	50	0.22	1.6	2.5	±20	0.32	0.8	1.45	29.5	150	Yes
2N7002KDWBQ	SOT-363	N+N	60	0.22	2.5	3	±20	0.24	0.8	2.4	25	150	Yes
BSS84WHE3	SOT-323	P	-60	-0.2	3.6	4.5	±20	0.3	-0.9	-2	26	175	No
SI2101AHE3	SOT-323	P	-20	-1.2	-	0.13	±10	0.3	-0.3	-1	221	150	No
SI2102AHE3	SOT-323	N	20	2	-	0.08	±10	0.357	0.5	1.1	210	150	No
2N7002KWBQ	SOT-323	N	60	0.3	2	2.5	±20	0.416	1	2.5	18	175	Yes
2N7002KWHE3	SOT-323	N	60	0.34	2.5	3	±20	0.33	1	2	15	150	Yes
SI1K5N06UKWQ	SOT-323	N	60	0.33	1.5	1.6	±20	0.38	0.55	1.15	22.8	175	Yes
SIL04P06YHE3	SOT23-6L	P	-60	-3.5	0.085	0.12	±20	1.7	-1	-2.5	491	150	No
SIL2305CHE3	SOT23-6L	P	-20	-5.6	-	0.04	±12	1.8	-0.5	-1	770	150	No
SIL3415CHE3	SOT23-6L	P	-20	-5	-	0.045	±10	1	-0.5	-1.25	540	150	Yes
SIL2429HE3	SOT23-6L	N+P	20/-20	2.0/-1.6	-	0.057/0.120	±10	0.67	0.55/-0.4	1.1/-1.0	188/214	150	No
SIL3400AHE3	SOT23-6L	N	30	5.8	0.026	0.033	±12	1.8	0.5	1.5	580	150	No
SIL05N06HE3	SOT23-6L	N	60	5	0.043	0.047	±20	1.8	1	2.5	1175	150	No
BSS84HE3	SOT-23	P	-60	-0.2	3.6	4.7	±20	0.5	-0.9	-2	27	175	No
BSS84KHE3	SOT-23	P	-60	-0.4	2.9	3.5	±20	0.96	-1	-2.5	33	150	Yes
SI5618HE3	SOT-23	P	-60	-1.9	0.18	0.24	±20	1	-1	-3	600	150	No
SI3401AHE3	SOT-23	P	-30	-4.4	0.06	0.07	±12	1.2	-0.7	-1.3	831	150	No
SI3407HE3	SOT-23	P	-30	-4.1	0.049	0.065	±20	1.3	-1	-2.4	592	150	No
SI2301AHE3	SOT-23	P	-20	-3.4	-	0.051	±10	1	-0.4	-1	480	150	No
SI2301HE3	SOT-23	P	-20	-2.4	-	0.1	±12	1.1	-0.5	-1.5	418	150	Yes
SI2305BHE3	SOT-23	P	-20	-4.2	-	0.06	±10	1.4	-0.5	-0.9	770	150	No
SI2305CHE3	SOT-23	P	-20	-5.4	-	0.04	±12	1.3	-0.5	-1	770	150	No
SI3415CHE3	SOT-23	P	-20	-3.9	-	0.04	±10	1	-0.55	-1.25	540	150	Yes
SI2312HE3	SOT-23	N	20	5	-	0.0318	±8	1.25	0.45	1	668	150	No
SI300N03UKHE3	SOT-23	N	30	1.28	-	0.3	±10	0.86	0.45	1	56.5	150	Yes
SI3400AHE3	SOT-23	N	30	5.8	0.027	0.033	±12	1.04	0.7	1.4	586	150	No
SI3404HE3	SOT-23	N	30	5.6	0.028	0.042	±20	1.2	1	3	373	150	No
SI02N04AKHE3	SOT-23	N	40	2.5	0.091	0.135	±20	1.1	1	2.5	150	150	Yes
BSS138AHE3	SOT-23	N	50	0.22	1.6	2.5	±20	0.62	0.8	1.45	29	150	Yes
2N7002KDQ	SOT-23	N	60	0.3	2	-	±20	0.526	1.1	2.4	25	175	Yes
2N7002KHE3	SOT-23	N	60	0.34	2.5	3	±20	0.35	1	2.5	16	150	Yes
SI2310AHE3	SOT-23	N	60	3	0.1	0.12	±20	1.2	0.9	2	546	150	No
BSS123KHE3	SOT-23	N	100	0.28	4.6	6	±20	0.78	1.5	2.5	32	150	Yes
SI150N10YLHE3	SOT-23	N	100	1.8	0.15	0.21	±20	1	1.2	2.5	80	150	No
MCMN2014HE3	DFN2020-6LE	N	12	15	-	0.009	±8	2.4	0.4	1.1	1337	150	No
MCMWF190P06LQ	DFN2020-6(SWF)	P	-60	-5.7	0.19	0.29	±20	13	-1.2	-2.2	361	175	No
MCMWF034P02UKHE3	DFN2020-6(SWF)	P	-20	-14	-	0.034	±10	10	-0.55	-1.25	540	150	Yes
MCMWF025N04YQ	DFN2020-6(SWF)	N	40	15	0.025	-	±20	10.7	2	4	240	175	No
MCMWF039N06LHE3	DFN2020-6(SWF)	N	60	15	0.039	0.045	+20/-16	20	1	2.5	1178	150	No
MCMWF090N06LKHE3	DFN2020-6(SWF)	N	60	8.1	0.09	0.115	±20	12.5	1.1	2.1	315	150	Yes

Automotive MOSFETs

Automotive Grade

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Static Drain-Source On-Resistance	Gate Source Voltage	Power Rating	Gate Threshold Voltage	Gate Threshold Voltage	Input Capacitance	Single Pulse Avalanche Energy	Operating Junction Temperature	ESD Diodes (Y/N)
			V_{DS} (V)	I_D (A)	$R_{DS(ON)}$ (Ω) @10V	V_{GS} (V)	P_D (W)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	C_{iss} (pF)	E_{AS} (mj)	T_j (°C)	
MCG30N04HE3	DFN3333	N	40	30	0.014	±20	24	1	2.5	990	40	150	No
MCG35N04HE3	DFN3333	N	40	35	0.008	±20	40	1	2.5	2000	120	150	No
MCG53N06AHE3	DFN3333	N	60	53	0.0082	±20	45	1.2	2.5	1850	162	150	No
MCG60N06YHE3	DFN3333	N	60	60	0.006	±20	60	1	2.5	1666	144	175	No
MCG40N10YHE3	DFN3333	N	100	40	0.0185	±20	43	1	2.5	1220	81	150	No
MCG25P05YHE3	DFN3333	P	-48	-25	0.045	±20	74	-1.5	-2.7	1024	81	150	No
MCG08P06HE3	DFN3333-8	P	-60	-8	0.0284	±20	20.8	-1	-3	4306	50	150	No
MCG15P10YHE3	DFN3333	P	-100	-15	0.11	±20	50	-1	-2.5	1100	64	150	No
MCGWF60N04YHE3	DFN3333-8(SWF)	N	40	60	0.0039	±20	93	2	4	2144	156	175	No
MCGWF60N06YHE3	DFN3333-8(SWF)	N	60	60	0.006	±20	60	1	2.5	1666	95	175	No
MCGWF5D5N06YLHE3	DFN3333-8(SWF)	N	60	86	0.0055	±20	75	1	2.5	1702	112.5	175	No
MCGWF7D2N06YLHE3	DFN3333-8(SWF)	N	60	81	0.0072	±20	93	1.3	2.3	2060	136	175	No
MCGWF018N10YLQ	DFN3333-8(SWF)	N	100	40	0.018	±20	65	1.3	2.3	1170	67	175	No
MCGWF011N10YLHE3	DFN3333-8(SWF)	N	100	65	0.011	±20	100	1	2.5	1386	81	175	No
MCGWF45P04HE3	DFN3333-8(SWF)	P	-40	-45	0.013	±20	41.7	-1	-3	3136	132	150	No
MCGWF20P06YHE3	DFN3333-8(SWF)	P	-60	-20	0.026	±20	39	-1	-2.5	1483	108	150	No
MCGWF110P10YLHE3	DFN3333-8(SWF)	P	-100	-15	0.11	±20	52	-1.3	-2.3	1050	84	150	No
MCGWF120P10YQ	DFN3333-8(SWF)	P	-100	-15	0.12	±20	56	-2	-3.5	900	83	175	No
MCG012N04LHE3	PDFN3333	N	40	30	0.012	±20	34	1	2	980	40	150	No
MCG6D9N04YHQ	PDFN3333	N	40	50	0.0069	±20	50	2	4	1190	68	175	No
MCG5D7N04YHQ	PDFN3333	N	40	69	0.0057	±20	57	2	4	1080	82	175	No
MCG5D8N04YHE3	PDFN3333	N	40	70	0.0058	±20	65	2	4	627	40	175	No
MCG4D8N04YHE3	PDFN3333	N	40	75	0.0048	±20	60	2	4	880	54	175	No
MCG20N06HE3	PDFN3333	N	60	20	0.028	±20	32	1	2.5	1200	30	150	No
MCG029N06Q	PDFN3333	N	60	23	0.029	±20	45	1.5	2.5	920	32	175	No
MCG018N06LHE3	PDFN3333	N	60	30	0.018	±20	59	1	2	1850	55	150	No
MCG080N06LHE3	PDFN3333-B	N	60	9	0.08	±20	24	0.9	2	497	12	150	No
MCG09P06HE3	PDFN3333-B	P	-60	-9	0.17	±20	28	-1	-3	590	12	150	No
MCAC30N04HE3	DFN5060	N	40	30	0.016	±20	35.7	1	2.5	967	40	150	No
MCAC60N04HE3	DFN5060	N	40	60	0.007	±20	50	1	2.5	2023	100	150	No
MCAC75N04YHE3	DFN5060	N	40	75	0.0068	±20	74	2	4	1000	84	175	No
MCAC4D4N04YLHE3	DFN5060	N	40	80	0.0044	±20	51	1.2	2.5	970	60	175	No
MCAC85N04YHE3	DFN5060	N	40	85	0.006	±20	100	2	4	1171	81	175	No
MCAC88N04YHE3	DFN5060	N	40	88	0.0045	±20	68	2	4	861	56	175	No
MCAC95N04YHE3	DFN5060	N	40	95	0.0032	±20	75	2	4	1709	132	175	No
MCAC3D8N04YHQ	DFN5060	N	40	110	0.0038	±20	83	2.2	3.8	1745	273	175	No
MCAC120N04YHE3	DFN5060	N	40	120	0.0031	±20	83	2	4	2144	156	175	No
MCAC125N04YHE3	DFN5060	N	40	125	0.0026	±20	100	2	4	3540	132	175	No
MCAC130N04YHE3	DFN5060	N	40	130	0.00175	±20	150	1.2	2.5	7400	661	175	No
MCAC140N04YHE3	DFN5060	N	40	140	0.002	±20	150	1	3	2354	169	175	No
MCAC2D9N04YHQ	DFN5060	N	40	145	0.0029	±20	107	2	4	2404	210	175	No
MCAC2D6N04YHE3	DFN5060	N	40	166	0.0026	±20	125	2	4	2134	182	175	No
MCAC180N04YHE3	DFN5060	N	40	180	0.002	±20	115	2	4	4380	937	175	No
MCAC032N06Q	DFN5060	N	60	20	0.032	±20	83	1.5	2.5	895	36	175	No

Micro Commercial Components

Automotive MOSFETs

Automotive Grade

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Static Drain-Source On-Resistance	Gate Source Voltage	Power Rating	Gate Threshold Voltage	Gate Threshold Voltage	Input Capacitance	Single Pulse Avalanche Energy	Operating Junction Temperature	ESD Diodes (Y/N)
			V_{DS} (V)	I_D (A)	$R_{DS(ON)}$ (Ω) @10V	V_{GS} (V)	P_D (W)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	C_{iss} (pF)	E_{AS} (mj)	T_j (°C)	
MCAC30N06HE3	DFN5060	N	60	30	0.021	±20	45	1	2.5	2450	90	150	No
MCAC9D5N06YLHE3	DFN5060	N	60	52	0.0095	±20	50	1.3	2.3	920	49	175	No
MCAC53N06YHE3	DFN5060	N	60	53	0.0075	±20	69	1.2	2.5	2100	114	150	No
MCAC65N06YHE3	DFN5060	N	60	65	0.0052	±20	100	1	2.5	1740	144	175	No
MCAC5D3N06YHE3	DFN5060	N	60	75	0.0053	±20	75	2	4	1530	169	175	No
MCAC6D9N06LQ	DFN5060	N	60	75	0.0069	±20	83	1.3	2.3	1736	156	175	No
MCAC95N06YHE3	DFN5060	N	60	95	0.0038	±20	114	1.2	2.2	5300	1000	150	No
MCAC160N06YHE3	DFN5060	N	60	160	0.0025	±20	150	2	4	3586	529	175	No
MCAC25N10YHE3	DFN5060	N	100	25	0.033	±20	53	1	2.5	509	25	175	No
MCAC38N10YHE3	DFN5060	N	100	38	0.019	±20	59	1	2.5	1166	81	150	No
MCAC017N10YLQ	DFN5060	N	100	40	0.017	±20	71	1.3	2.3	1170	64	175	No
MCAC012N10YLHE3	DFN5060	N	100	58	0.012	±20	100	1	2.5	1396	81	175	No
MCAC60N10YAHE3	DFN5060	N	100	60	0.01	±20	88	1	2.8	2330	200	150	No
MCAC8D3N10YHHE3	DFN5060	N	100	81	0.0083	±20	115	2	4	1622	138	175	No
MCAC100N10YHE3	DFN5060	N	100	100	0.0055	±20	113	2	4	4700	400	150	No
MCAC70N15YHE3	DFN5060	N	150	70	0.017	±20	150	2	4	2527	81	175	No
MCAC50P04HE3	DFN5060	P	-40	-50	0.013	±20	96	-1	-2.5	3302	200	150	No
MCAC027P06KQ	DFN5060	P	-60	-46	0.027	±20	125	-1.5	-2.5	3090	110	175	Yes
MCAC015P06YQ	DFN5060	P	-60	-70	0.015	±20	150	-1.5	-3.1	3324	225	175	No
MCAC80P06YHE3	DFN5060	P	-60	-80	0.008	±18	120	-2	-4	5300	400	150	No
MCAC25P10YHE3	DFN5060	P	-100	-25	0.055	±20	88	-1	-2.5	2077	162	150	No
MCACL1D7N04YHHE3	DFN5060-C	N	40	180	0.0017	±20	125	2	4	4317	506	175	No
MCACL220N04YHE3	DFN5060-C	N	40	220	0.0013	±20	125	1	2.5	7216	625	175	No
MCACL1D5N04YHE3	DFN5060-C	N	40	302	0.0015	±20	230	2	4	3355	324	175	No
MCACL320N04YQ	DFN5060-C	N	40	320	0.0011	±20	230	2	4	6914	541	175	No
MCACL220N06YHE3	DFN5060-C	N	60	220	0.0016	±20	147	1	2.5	7500	1428	150	No
MCACLS290N04YHE3	DFN5060-DSC	N	40	290	0.0011	±20	205	2	4	5413	330	175	No
MCACLS330N04YAHE3	DFN5060-DSC	N	40	330	0.0011	±20	230	2	4	7349	1350	175	No
MCAC051P06Q	PDFN5060	P	-60	-24	0.051	±20	62	-1.2	-2.8	1470	49	175	No
MCAC013P06LHE3	PDFN5060	P	-60	-74	0.013	±20	150	-1.2	-2.4	5029	225	175	No
MCACD30N04HE3	PDFN5060-8D	N+N	40	30	0.015	±20	35	1	2.5	1030	42	150	No
MCACD50N04YHE3	PDFN5060-8D	N+N	40	50	0.0051	±20	42	1	2	1392	81	150	No
MCACD55N04YHE3	PDFN5060-8D	N+N	40	55	0.0085	±20	60	2	4	935	72	175	No
MCACD60N04YHE3	PDFN5060-8D	N+N	40	60	0.0055	±20	50	2	4	861	49	175	No
MCACD6D7N04YHHE3	PDFN5060-8D	N+N	40	60	0.0067	±20	42.9	2	4	625	42	175	No
MCACD5D0N04YHQ	PDFN5060-8D	N+N	40	85	0.005	±20	75	2.2	3.8	1745	81	175	No
MCACD20N06HE3	PDFN5060-8D	N+N	60	20	0.03	±20	35.7	1	2.5	1191	40	150	No
MCACD033N06Q	PDFN5060-8D	N+N	60	22	0.033	±20	62	1.5	2.5	940	30	175	No
MCACD50N06YHE3	PDFN5060-8D	N+N	60	50	0.009	±20	69	1	2.5	2100	162	150	No
MCACD012N06YLHE3	PDFN5060-8D	N+N	60	52	0.012	±20	55	1.3	2.4	910	36	175	No
MCACD60N06YHE3	PDFN5060-8D	N+N	60	60	0.0065	±20	50	1	2.5	1740	128	175	No
MCACD6D3N06YHE3	PDFN5060-8D	N+N	60	60	0.0063	±20	93.7	2	4	1529	121	175	No
MCACD033N10YLHE3	PDFN5060-8D	N+N	100	20	0.033	±20	41	1.2	2.2	520	20	175	No
MCACD20N10YHE3	PDFN5060-8D	N+N	100	20	0.022	±20	50	1	2.5	1240	81	150	No

Automotive MOSFETs

Automotive Grade

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Static Drain-Source On-Resistance	Gate Source Voltage	Power Rating	Gate Threshold Voltage	Gate Threshold Voltage	Input Capacitance	Single Pulse Avalanche Energy	Operating Junction Temperature	ESD Diodes (Y/N)
			V_{DS} (V)	I_D (A)	$R_{DS(ON)}$ (Ω) @10V	V_{GS} (V)	P_D (W)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	C_{iss} (pF)	E_{AS} (mj)	T_j (°C)	
MCACD12NP10YHE3	PDFN5060-8D	N+P	100/-100	40/-12	0.024/0.115	±20	104/69	1.2/-1.2	2.5/-2.5	1270/1120	72/36	150	No
MCQ12N03HE3	SOP-8	N	30	12	0.0065	±20	1.9	1	2.5	978	27	150	No
MCQD05N06HE3	SOP-8	N+N	60	5	0.03	±20	1.6	1	2.5	1152	30	150	No
MCT05N06HE3	SOT-223	N	60	5	0.035	±20	2.1	1	2.5	1173	30	150	No
MCT06P10HE3	SOT-223	P	-100	-6	0.21	±20	1.9	-1	-2.5	1369	23	150	No
MCU40N04HE3	DPAK	N	40	40	0.013	±20	56	1	2.5	1000	49	150	No
MCU7D2N04YHQ	DPAK	N	40	60	0.0072	±20	73	2	4	1000	68	175	No
MCU6D0N04YHQ	DPAK	N	40	72	0.006	±20	55	2	4	1085	95	175	No
MCU90N04YHE3	DPAK	N	40	90	0.0031	±20	83	2	4	2124	175	175	No
MCU3D8N04YHQ	DPAK	N	40	100	0.0038	±20	83	2.2	3.8	1745	161	175	No
MCU3D6N04YQ	DPAK	N	40	110	0.0036	±20	93	2	3.6	2371	203	175	No
MCU2D5N04YHQ	DPAK	N	40	130	0.0025	±20	125	2	4	4300	790	175	No
MCU2D8N04YHQ	DPAK	N	40	160	0.0028	±20	125	2	4	3344	315	175	No
MCU20N06BHE3	DPAK	N	60	20	0.043	±20	40	1	2.5	1135	42	150	No
MCU031N06Q	DPAK	N	60	23	0.031	±20	41.6	1.5	2.5	920	56	175	No
MCU011N06YLHE3	DPAK	N	60	44	0.011	±20	41.6	1.3	2.3	908	39.7	175	No
MCU50N06AHE3	DPAK	N	60	50	0.015	±20	59.5	1	2.5	2515	72	150	No
MCU75N06YHE3	DPAK	N	60	75	0.0048	±20	100	1	2.5	1698	144	175	No
MCU6D5N06YLQ	DPAK	N	60	80	0.0065	±20	88	1.3	2.3	1746	132	175	No
MCU80N06AHE3	DPAK	N	60	80	0.0075	±20	78	1.2	2.5	2100	144	150	No
MCU031N10YHE3	DPAK	N	100	24	0.031	±20	42.8	2	4	470	36	175	No
MCU029N10YLHE3	DPAK	N	100	27	0.029	±20	53	1	2.5	537	25	175	No
MCU017N10YLQ	DPAK	N	100	42	0.017	±20	68	1.3	2.3	1195	64	175	No
MCU62N10YHE3	DPAK	N	100	62	0.011	±20	94	1	2.5	1379	75	175	No
MCU50P04AHE3	DPAK	P	-40	-50	0.015	±20	83	-1	-2.5	3302	150	150	No
MCU055P06LQ	DPAK	P	-60	-19	0.055	±20	43	-1.2	-2.8	1463	49	175	No
MCU50P06YHE3	DPAK	P	-60	-50	0.012	±20	89	-1	-3	4600	169	150	No
MCU015P06YQ	DPAK	P	-60	-57	0.015	±20	100	-1.5	-3.1	3035	118	175	No
MCU013P06LHE3	DPAK	P	-60	-70	0.013	±20	136	-1.2	-2.4	4845	150	175	No
MCU15P10YHE3	DPAK	P	-100	-15	0.12	±20	50	-2	-4	920	72	150	No
MCU18P10YHE3	DPAK	P	-100	-18	0.11	±20	73.5	-1	-2.5	1014	36	150	No
MCB95N04YHE3	D2-PAK	N	40	95	0.003	±20	83	2	4	2138	156	175	No
MCB3D0N04YLHE3	D2-PAK	N	40	133	0.003	±20	96	1	3	2370	169	175	No
MCB3D2N04YQ	D2-PAK	N	40	138	0.0032	±20	107	2	3.6	2397	225	175	No
MCB2D8N04YHQ	D2-PAK	N	40	164	0.0028	±20	136	2	4	3540	484	175	No
MCB180N04YHE3	D2-PAK	N	40	180	0.0025	±20	150	2	4	4650	937	175	No
MCB220N04YHE3	D2-PAK	N	40	220	0.0015	±20	250	2	4	7864	900	175	No
MCB80N06YHE3	D2-PAK	N	60	80	0.0055	±20	125	1	2.5	1677	145	175	No
MCB7D2N06YLQ	D2-PAK	N	60	85	0.0072	±20	107	1	2.5	2060	121	175	No
MCB5D0N06YHHE3	D2-PAK	N	60	90	0.005	±20	93	2	4	1550	132	175	No
MCB200N06YHE3	D2-PAK	N	60	200	0.0035	±20	260	1	2.5	6000	600	150	No
MCB011N10YLHE3	D2-PAK	N	100	63	0.011	±20	100	1	2.5	1404	100	175	No
MCB70N15YHE3	D2-PAK	N	150	70	0.017	±20	180	2	4	2517	200	175	No
MCBS220N04YHE3	TO-263-7	N	40	220	0.0011	±20	250	2	4	7967	760	175	No

Automotive Grade

Automotive MOSFETs

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Static Drain-Source On-Resistance	Gate Source Voltage	Power Rating	Gate Threshold Voltage	Gate Threshold Voltage	Input Capacitance	Single Pulse Avalanche Energy	Operating Junction Temperature	ESD Diodes (Y/N)
			V_{DS} (V)	I_D (A)	$R_{DS(ON)}$ (Ω) @10V	V_{GS} (V)	P_D (W)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	C_{iss} (pF)	E_{AS} (mj)	T_j (°C)	
MCBS260N10YHE3	TO-263-7	N	100	260	0.0018	±20	375	2	4	10589	1122	175	No
MCTL270N04YHE3	TOLL-8L	N	40	270	0.0013	±20	468	2	4	8010	1521	175	No
MCTL150N06YHE3	TOLL-8L	N	60	150	0.0024	±20	158	1	2.5	3375	242	175	No
MCTL300N10YHE3	TOLL-8L	N	100	300	0.00155	±20	375	2.1	3.9	10051	2116	175	No
MCP5D4N06YHE3	TO-220AB(B)	N	60	90	0.0054	±20	88	2	4	1530	138	175	No

Small Signal MOSFETS

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Static Drain-Source On-Resistance	Static Drain-Source On-Resistance	Gate Source Voltage	Power Rating	Gate Threshold Voltage	Gate Threshold Voltage	Input Capacitance	Operating Junction Temperature	ESD Diodes (Y/N)
			V_{DS} (V)	I_D (A)	$R_{DS(ON)}$ (Ω) @10V	$R_{DS(ON)}$ (Ω) @4.5V	V_{GS} (V)	P_D (W)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	C_{iss} (pF)	T_j (°C)	
SI3134KL3A	DFN1006-3	N	20	0.75	-	0.3	±12	0.66	0.35	1.1	27	150	Yes
SI2015KL3	DFN1006-3	N	20	1.1	-	0.35	±12	0.7	0.5	0.9	28	150	Yes
MC3541KL3	DFN1006-3	N	30	0.3	3.5	4	±20	0.69	0.8	1.45	16.3	150	Yes
SI300N03UKL3	DFN1006-3	N	30	1.25	-	0.3	±10	0.83	0.45	0.95	59.5	150	Yes
2N7002KL3A	DFN1006-3	N	60	0.26	2.5	3	±20	0.33	1	2.5	15	150	Yes
2N7002KL3	DFN1006-3	N	60	0.41	1.5	1.8	±20	0.44	1.3	2.3	25	150	Yes
SI2012KL3	DFN1006-3	P	-20	-0.98	-	0.5	±10	0.7	-0.45	-1	74	150	Yes
SI06P02KL3	DFN1006-3	P	-20	-0.95	-	0.58	±8	0.7	-0.35	-1.2	27	150	Yes
SI3139KL3A	DFN1006-3	P	-20	-0.65	-	0.85	±12	0.33	-0.35	-1.2	36	150	Yes
SI3139KL3B	DFN1006-3	P	-20	-0.65	-	0.85	±12	0.328	-0.35	-1.2	36	150	Yes
BSS84KL3A	DFN1006-3	P	-60	-0.22	5	-	±20	0.47	-1.1	-2.1	22.9	150	No
SI3134KL3B	DFN1006-3A	N	20	0.75	-	0.25	±10	0.9	0.35	1.2	33	150	Yes
SI3139KL3C	DFN1006-3A	P	-20	-0.5	-	0.85	±12	0.9	-0.35	-1.2	36	150	Yes
SI3134KU6	DFN1010B-6	N+N	20	0.75	-	0.25	±10	0.42	0.35	1.2	33	150	Yes
SI3439KU6	DFN1010B-6	N+P	20/-20	0.75/-0.52	-	0.25/0.85	±10	0.35	0.35/-0.35	1.2/-1.2	33/36	150	Yes
SI3139KU6	DFN1010B-6	P+P	-20	-0.52	-	0.85	±10	0.35	-0.35	-1.2	36	150	Yes
MCMN2014A	DFN2020-6J	N	20	13	-	0.009	±10	40	0.5	1.1	1302	150	No
MCM05N06	DFN2020-6J	N	60	5	0.042	0.053	±20	12.5	1	2.5	850	150	No
MCM1567	DFN2020-6J	P	-20	-9	-	0.018	±12	18	-0.4	-1	2130	150	No
MCMN2012A	DFN2020-6JA	N	20	12	-	0.013	±10	13.8	0.35	1	863	150	No
MCM1216A	DFN2020-6JA	P	-20	-16	-	0.016	±10	18	-0.4	-1	2130	150	No
MCM3400A	DFN2020-6L	N+N	30	5	0.032	0.038	±12	1.4	0.7	1.5	645	150	No
MCMNP2065A	DFN2020-6L	N+P	20/-20	6.0/-4.0	-	0.025/0.051	±10	1.6	0.4/-0.4	1.0/-1.0	402/496	150	No
MCMNP2065	DFN2020-6L	N+P	20/-20	6.0/-6.0	-	0.025/0.042	±10	1.6	0.4/-0.4	1.0/-1.0	393/762	150	No
MCM2301	DFN2020-6L	P+P	-20	-3.8	-	0.055	±10	1.4	-0.5	-0.9	492	150	No
MCM028N03YU	DFN2020-6LE	N	30	10	-	0.028	±12	16	0.45	1	520	150	No
MCM13N03	DFN2020-6LE	N	30	13	0.012	0.015	±20	2.9	1	2.5	1015	150	No
MCM012N04L	DFN2020-6LE	N	40	12	0.012	0.016	±20	1.8	1	2.5	990	150	No
MCM040P03L	DFN2020-6LE	P	-30	-10	0.04	0.06	±20	15	-1	-2.5	490	150	No
MCM037P02U	DFN2020-6T	P	-20	-5.2	-	0.037	±10	1.5	-0.4	-1	787	150	No
SI3136K	SOT-23	N	20	0.8	-	0.3	±8	0.96	0.5	1	44	150	Yes
SI3134KS	SOT-23	N	20	1.4	-	0.3	±12	1	0.5	0.9	27	150	Yes
SI2302AK	SOT-23	N	20	2.5	-	0.1	±8	1.1	0.4	1	131	150	Yes
SI2302	SOT-23	N	20	3	-	0.027	±8	1.56	0.65	1.2	388	150	No
SI2302A	SOT-23	N	20	3	-	0.032	±8	1.25	0.65	1.2	432	150	No
SI2302B	SOT-23	N	20	3	-	0.05	±10	1.1	0.55	1.1	190	150	No
SI2300S	SOT-23	N	20	4.3	-	0.033	±12	0.97	0.45	0.9	180	150	No
SI2312	SOT-23	N	20	5	-	0.0318	±8	1.25	0.45	1	668	150	No
SI2312A	SOT-23	N	20	5	-	0.025	±8	1.25	0.5	0.9	668	150	No
SI2300	SOT-23	N	20	5.2	-	0.025	±10	1.1	0.5	0.9	387	150	No
SI3420A	SOT-23	N	20	6	-	0.028	±10	1.25	0.5	1	668	150	No
SI2312B	SOT-23	N	20	6.8	-	0.021	±10	1.25	0.5	0.9	686	150	No
SI8810	SOT-23	N	20	7	0.018	0.022	±12	1.3	0.4	0.9	716	150	Yes
SI500N025UK	SOT-23	N	25	0.98	0.5	0.735	±20	0.83	0.6	1.05	14.3	150	Yes

Small Signal MOSFETS

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Static Drain-Source On-Resistance	Static Drain-Source On-Resistance	Gate Source Voltage	Power Rating	Gate Threshold Voltage	Gate Threshold Voltage	Input Capacitance	Operating Junction Temperature	ESD Diodes (Y/N)
			V_{DS} (V)	I_D (A)	$R_{DS(ON)}$(Ω) @10V	$R_{DS(ON)}$(Ω) @4.5V	V_{GS} (V)	P_D(W)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	C_{iss}(pF)	T_j(°C)	
SI0301	SOT-23	N	30	0.5	-	0.75	±8	0.83	0.5	1	34	150	Yes
SI01N03K	SOT-23	N	30	0.8	-	0.51	±12	1	0.6	1.3	34.6	150	Yes
SI3099	SOT-23	N	30	1.1	0.408	0.518	±12	1.1	0.5	1.5	39	150	Yes
SI240N03UK	SOT-23	N	30	1.44	-	0.24	±10	0.86	0.45	1	56.5	150	Yes
SI2304	SOT-23	N	30	2.5	0.065	0.09	±20	1	1	2	229	150	No
SI2306	SOT-23	N	30	3.16	0.047	0.065	±20	1	1	3	229	150	No
SI2304S	SOT-23	N	30	3.5	0.045	0.085	±20	1.08	1	2.5	155	150	No
SI037N03U	SOT-23	N	30	3.9	0.037	0.04	±12	1	0.5	1.5	425	150	No
SI3402	SOT-23	N	30	4	0.027	0.033	±12	1.04	0.6	1.4	586	150	No
SI3400B	SOT-23	N	30	5.6	0.028	0.03	±12	1	0.6	1.5	34	150	No
SI3400	SOT-23	N	30	5.8	0.027	0.033	±12	1.04	0.7	1.4	586	150	No
SI3400A	SOT-23	N	30	5.8	0.027	0.033	±12	1.04	0.7	1.4	586	150	No
SI3400K	SOT-23	N	30	5.8	-	0.04	±12	1	0.5	1.4	576	150	Yes
SI3404	SOT-23	N	30	5.8	0.028	0.042	±20	1.2	1	2.2	373	150	No
SI2318A	SOT-23	N	40	5	0.045	0.06	±20	1.2	0.8	1.8	390	150	No
BSS138	SOT-23	N	50	0.22	2.5	3	±20	0.35	0.8	1.5	27	150	No
BSS138A	SOT-23	N	50	0.22	1.6	2.5	±20	0.62	0.8	1.45	29	150	Yes
BSS138KS	SOT-23	N	50	0.3	2.5	3.5	±20	0.7	0.7	1.6	15	150	Yes
BSS138BK	SOT-23	N	50	0.59	1.5	2.3	±20	1	0.5	1.5	25	150	Yes
BSS138B	SOT-23	N	50	0.6	1.1	1.2	±20	0.83	0.8	1.6	39	150	No
2N7002A	SOT-23	N	60	0.115	3	4	±30	0.39	1	2.5	34	150	No
2N7002	SOT-23	N	60	0.34	2.5	3	±20	1.08	1	2.5	35	150	No
2N7002B	SOT-23	N	60	0.34	3	4	±30	1.04	1	2.5	34	150	No
2N7002K	SOT-23	N	60	0.34	2.5	3	±20	0.83	1	2.5	15	150	Yes
2N7002KA	SOT-23	N	60	0.34	5	5.3	±20	0.35	1	2.5	16	150	Yes
2N7002KS	SOT-23	N	60	0.34	2.2	3	±20	0.35	1	2.5	16	150	Yes
2N7002C	SOT-23	N	60	0.35	1	1.4	±20	0.83	1.1	2.5	34	150	No
SI1K5N06UK	SOT-23	N	60	0.48	1.5	1.6	±20	0.74	0.5	1.1	24.3	150	Yes
SI2306KA	SOT-23	N	60	0.5	1.8	2.5	±30	0.83	1	2.5	29	150	Yes
SI2306K	SOT-23	N	60	0.55	1.2	1.3	±30	0.96	1	2.5	34	150	Yes
SI2310K	SOT-23	N	60	2.5	0.096	0.11	±20	1.3	1.1	2.3	340	150	Yes
SI03N06	SOT-23	N	60	3	0.08	0.095	±20	1.2	0.9	2	400	150	No
SI2310	SOT-23	N	60	3	0.105	0.125	±20	1.2	0.5	2	546	150	No
SI2310A	SOT-23	N	60	3	0.105	0.125	±20	1.2	0.5	1.5	512	150	No
SI2310B	SOT-23	N	60	3	0.1	0.12	±16	1.2	0.5	1.3	638	150	No
BSS123	SOT-23	N	100	0.17	6	10	±20	0.35	1	2.8	35	150	No
BSS123K	SOT-23	N	100	0.28	6	9	±20	0.78	1.5	2.5	32	150	Yes
SI2324A	SOT-23	N	100	2	0.28	0.3	±20	1.2	1	2	390	150	No
SI2392	SOT-23	N	100	3	0.14	0.3	±20	0.9	1	2.5	135	150	No
SI085N10YL	SOT-23	N	100	3.5	0.085	0.11	±20	1.26	1	2.5	186	150	No
SI2305	SOT-23	P	-8	-4.1	-	0.045	±8	1.2	-0.55	-0.9	810	150	No
SI2333	SOT-23	P	-12	-6	-	0.028	±8	1.1	-0.4	-1	810	150	No
SI2333A	SOT-23	P	-15	-5.6	-	0.04	±8	1.1	-0.4	-1	810	150	No
SI2301N	SOT-23	P	-19	-2.2	-	0.114	±10	0.83	-0.4	-1	159	150	No

Small Signal MOSFETS

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Static Drain-Source On-Resistance	Static Drain-Source On-Resistance	Gate Source Voltage	Power Rating	Gate Threshold Voltage	Gate Threshold Voltage	Input Capacitance	Operating Junction Temperature	ESD Diodes (Y/N)
			V_{DS} (V)	I_D (A)	$R_{DS(ON)}$ (Ω) @10V	$R_{DS(ON)}$ (Ω) @4.5V	V_{GS} (V)	P_D (W)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	C_{iss} (pF)	T_j (°C)	
SI3415BS	SOT-23	P	-20	-5.6	-	0.042	±10	1.25	-0.5	-0.9	1151	150	Yes
SI2305B	SOT-23	P	-20	-4.2	-	0.039	±10	1.4	-0.5	-0.9	821	150	No
SI3415	SOT-23	P	-20	-4	-	0.05	±8	0.93	-0.3	-1	1204	150	Yes
SI3415A	SOT-23	P	-20	-4	-	0.045	±10	0.93	-0.35	-0.9	1204	150	Yes
SI3415C	SOT-23	P	-20	-3.9	-	0.04	±10	1	-0.55	-1.25	540	150	Yes
SI3415D	SOT-23	P	-20	-3.9	-	0.04	±10	1	-0.55	-1	540	150	Yes
SI3415U	SOT-23	P	-20	-3.2	-	0.065	±8	1	-0.4	-1.2	561	150	Yes
SI2321K	SOT-23	P	-20	-3	-	0.08	±8	1	-0.4	-1.2	570	150	Yes
SI2321	SOT-23	P	-20	-2.9	-	0.057	±12	1.2	-0.4	-0.9	770	150	No
SI2301	SOT-23	P	-20	-2.8	-	0.051	±8	1	-0.45	-1	480	150	No
SI2301A	SOT-23	P	-20	-2.8	-	0.051	±8	1	-0.5	-0.9	482	150	No
SI01P02K	SOT-23	P	-20	-0.7	-	0.7	±8	1	-0.4	-1	60	150	Yes
SI3139KS	SOT-23	P	-20	-0.6	-	0.85	±12	0.89	-0.35	-1.1	36	150	Yes
SI3401	SOT-23	P	-30	-4.2	0.065	0.075	±12	1.2	-0.7	-1.3	831	150	No
SI3401A	SOT-23	P	-30	-4.2	0.06	0.07	±12	1.2	-0.7	-1.3	831	150	No
SI3407	SOT-23	P	-30	-4.1	0.049	0.065	±20	1.3	-1	-3	600	150	No
SI2303	SOT-23	P	-30	-3	0.055	0.068	±20	1.3	-1	-3	493	150	No
SI2307K	SOT-23	P	-30	-3	-	0.09	±8	1.25	-0.4	-1.2	1060	150	Yes
SI2307	SOT-23	P	-30	-2.7	0.088	0.138	±20	1.3	-1	-3	600	150	No
SI085P03LK	SOT-23	P	-30	-2.6	0.085	0.13	±20	0.95	-1	-2	213	150	Yes
SI095P03L	SOT-23	P	-30	-2	0.095	0.15	±20	0.69	-1	-2.5	190	150	No
SI2303K	SOT-23	P	-30	-1	-	0.43	±8	1	-0.4	-1.3	166	150	Yes
SI2319	SOT-23	P	-40	-3.5	0.085	0.105	±20	1.4	-1	-2.5	536	150	No
SI080P04L	SOT-23	P	-40	-3	0.08	0.11	±20	1	-1	-2.5	400	150	No
SI125P06L	SOT-23	P	-60	-2	0.125	0.15	±20	1	-1	-2	697	150	No
SI5618	SOT-23	P	-60	-1.9	0.15	0.2	±20	1	-1	-3	609	150	No
SI5618A	SOT-23	P	-60	-1.6	0.16	0.24	±20	1.2	-1	-2.5	429	150	No
BSS84AK	SOT-23	P	-60	-0.5	2	2.4	+25/-30	1	-1.3	-3	35	150	Yes
BSS84	SOT-23	P	-60	-0.16	7.8	9.5	±20	0.4	-0.9	-2	27	150	No
BSS84A	SOT-23	P	-60	-0.16	7.8	9.5	±30	0.4	-0.9	-2	27	150	No
BSS84K	SOT-23	P	-60	-0.13	6	7	±20	0.96	-0.8	-2.5	37	150	Yes
SI01P10	SOT-23	P	-100	-1	0.8	1	±20	0.77	-1.5	-3	342	150	No
SL3402	SOT-23-3L	N	30	4.5	0.027	0.033	±12	0.96	0.6	1.4	586	150	No
SL020N03LK	SOT-23-3L	N	30	5.3	0.0208	0.032	±20	0.9	1.3	2.3	887	150	Yes
SL05N06	SOT-23-3L	N	60	5	0.044	0.049	±20	1.8	1	2.5	1175	150	No
SL100N10L	SOT-23-3L	N	100	2	0.1	0.11	±20	0.92	1.3	2.3	903	150	No
SL3007	SOT-23-3L	P	-30	-7	0.025	0.036	±20	1.5	-1	-2.5	1636	150	No
SL3401A	SOT-23-3L	P	-30	-4.4	0.06	0.07	±12	1.25	-0.7	-1.3	806	150	No
SL3407	SOT-23-3L	P	-30	-4.3	0.049	0.065	±20	1.5	-1	-3	492	150	No
SL125P06L	SOT-23-3L	P	-60	-2	0.125	0.15	±20	1	-1	-2	697	150	No
SL03P10	SOT-23-3L	P	-100	-3	0.286	0.335	±20	1.4	-1.1	-2	940	150	No
SIL08N02	SOT23-6L	N	20	8	-	0.017	±10	1.5	0.45	1	678	150	No
SIL2322A	SOT23-6L	N+N	20	3	-	0.03	±8	1.2	0.55	1.25	432	150	No
SIL2300	SOT23-6L	N+N	20	4	-	0.025	±10	1.4	0.45	1	384	150	No

Small Signal MOSFETS

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Static Drain-Source On-Resistance	Static Drain-Source On-Resistance	Gate Source Voltage	Power Rating	Gate Threshold Voltage	Gate Threshold Voltage	Input Capacitance	Operating Junction Temperature	ESD Diodes (Y/N)
			V_{DS} (V)	I_D (A)	$R_{DS(ON)}$(Ω) @10V	$R_{DS(ON)}$(Ω) @4.5V	V_{GS} (V)	P_D(W)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	C_{iss}(pF)	T_j(°C)	
SIL2300A	SOT23-6L	N+N	20	7	-	0.018	±10	1.4	0.45	1	668	150	No
SIL260N03UK	SOT23-6L	N	30	1.51	-	0.26	±10	1.04	0.45	1	57.6	150	Yes
SIL3400A	SOT23-6L	N	30	5.8	0.032	0.038	±12	1.8	0.5	1.5	580	150	No
SIL08N03	SOT23-6L	N	30	8	0.014	0.016	±20	1.6	1	3	1038	150	No
SIL02N06K	SOT23-6L	N	60	2.5	0.105	0.14	±20	1.6	1.1	2.3	338	150	Yes
SIL05N06A	SOT23-6L	N	60	5	0.043	0.047	±20	1.8	1	2.5	1175	150	No
SIL2324A	SOT23-6L	N+N	100	2	0.28	0.3	±20	1	1	2	445	150	No
SIL03N10A	SOT23-6L	N	100	3	0.12	0.14	±20	1.7	1.1	3	897	150	No
SIL085N10YL	SOT23-6L	N	100	3.5	0.085	0.11	±20	1.6	1	2.5	186	150	No
SIL02N15A	SOT23-6L	N	150	2	0.29	-	±20	1.8	1	2.5	666	150	No
SIL2612	SOT23-6L	N	200	1	0.59	0.6	±20	1.4	1.3	2.5	665	150	No
SIL3439KA	SOT23-6L	N+P	20/-20	1.2/-1.0	-	0.3/0.85	±12	1.25	0.35/-0.35	1.1	27/36	150	Yes
SIL2308	SOT23-6L	N+P	20/-20	5/-4	-	0.025/0.064	±10/±12	1.05	0.5/-0.5	1/-1	386/490	150	No
SIL3724A	SOT23-6L	N+P	30/-30	4.5/-3.5	0.035/0.090	0.050/0.115	±20	1.25	1.0/-1.0	2.5/-2.5	229/356	150	No
SIL2305B	SOT23-6L	P	-20	-5.4	-	0.06	±10	1.6	-0.5	-0.9	770	150	No
SIL3415	SOT23-6L	P	-20	-4	-	0.05	±8	1.4	-0.3	-1	1070	150	Yes
SIL800P02UK	SOT23-6L	P	-20	-0.84	-	0.8	±12	0.87	-0.33	-0.93	37.3	150	Yes
SIL2301	SOT23-6L	P+P	-20	-2.3	-	0.09	±8	1.25	-0.4	-1	480	150	No
SIL06P03A	SOT23-6L	P	-30	-6	-	0.043	±20	1.25	-1	-2.5	490	150	No
SIL3407	SOT23-6L	P	-30	-4.1	0.05	0.07	±20	1.6	-1	-3	581	150	No
SIL2623A	SOT23-6L	P+P	-30	-3	0.09	0.115	±20	1.25	-1	-2.5	356	150	No
SIL04P06Y	SOT23-6L	P	-60	-3.5	0.085	0.12	±20	1.56	-1	-2.5	513	150	No
SIL100P06L	SOT23-6L	P	-60	-2.81	0.1	0.12	±20	1.48	-1.2	-2.2	931	150	No
SI3134KWA	SOT-323	N	20	0.75	-	0.3	±12	0.31	0.5	1.1	28	150	Yes
SI2102A	SOT-323	N	20	3	-	0.07	±10	0.357	0.55	1	210	150	No
2SK3018	SOT-323	N	30	0.1	3	4	±20	0.3	0.8	1.5	16	150	Yes
SI0103KW	SOT-323	N	30	1	-	0.174	±10	0.33	0.5	1	164	150	Yes
BSS138W	SOT-323	N	50	0.22	3.5	6	±20	0.316	0.8	1.5	29	150	No
BSS138BKW	SOT-323	N	50	0.37	1.5	2.3	±20	0.4	0.5	1.5	30	150	Yes
2N7002W	SOT-323	N	60	0.115	2.5	3	±20	0.2	1	2	25.2	150	No
SI1K5N06UKW	SOT-323	N	60	0.29	1.5	2.5	±20	0.26	0.5	1.1	22.8	150	Yes
2N7002KW	SOT-323	N	60	0.34	2.5	3	±20	0.33	1	2	15	150	Yes
2N7002KWA	SOT-323	N	60	0.34	2.5	3	±20	0.33	1	2	15	150	Yes
BSS123W	SOT-323	N	100	0.17	6	10	±20	0.35	1	2.8	35	150	No
SI2301W	SOT-323	P	-19	-1.5	-	0.108	±10	0.35	-0.4	-1	208	150	No
SI2101A	SOT-323	P	-20	-2	-	0.13	±10	0.36	-0.4	-1	221	150	No
SI3139KWA	SOT-323	P	-20	-0.6	-	0.85	±12	0.41	-0.35	-1.1	36	150	Yes
BSS84KW	SOT-323	P	-50	-0.13	8	-	±20	0.357	-0.9	-2	37	150	Yes
BSS84W	SOT-323	P	-60	-0.2	3.9	4.6	±20	0.25	-0.9	-2	23	150	No
SI3134KWAS	SOT-323S	N	20	0.69	-	0.3	±12	0.22	0.4	1.1	29	150	Yes
2N7002KWS	SOT-323S	N	60	0.23	2.5	3	±20	0.29	1	2	15	150	Yes
SI3134KDWA	SOT-363	N+N	20	0.75	-	0.3	±12	0.37	0.35	1.1	28	150	Yes
SI2124DW	SOT-363	N+N	20	1.5	-	0.09	±10	0.43	0.55	1.1	188	150	No
SI3439KDWA	SOT-363	N+P	20/-20	0.75/-0.6	-	0.3/0.85	±12	0.325	0.35/-0.35	1.1/-1.1	28/36	150	Yes

Small Signal MOSFETS

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Static Drain-Source On-Resistance	Static Drain-Source On-Resistance	Gate Source Voltage	Power Rating	Gate Threshold Voltage	Gate Threshold Voltage	Input Capacitance	Operating Junction Temperature	ESD Diodes (Y/N)
			V_{DS} (V)	I_D (A)	$R_{DS(ON)}$ (Ω) @10V	$R_{DS(ON)}$ (Ω) @4.5V	V_{GS} (V)	P_D (W)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	C_{iss} (pF)	T_j (°C)	
SI2429DW	SOT-363	N+P	20/-20	1.5/-1.0	-	0.09/0.150	±10	0.43	0.55/-0.4	1.1/-1.0	188/220	150	No
UM6K1NA	SOT-363	N+N	30	0.5	0.75	0.96	±20	0.3	0.7	1.5	13.9	150	Yes
UM6K1NA-TPQ2	SOT-363	N+N	30	0.5	0.75	0.96	±20	0.3	0.7	1.5	13.9	150	Yes
BSS138AKDW	SOT-363	N+N	50	0.22	1.6	2.5	±20	0.32	0.8	1.45	29.5	150	Yes
BSS138AKDW-TPQ2	SOT-363	N+N	50	0.22	1.6	2.5	±20	0.32	0.8	1.45	29.5	150	Yes
BSS138BKDW	SOT-363	N+N	50	0.22	1.5	2.3	±20	0.35	0.8	1.45	25	150	Yes
BSS138BKDW-TPQ2	SOT-363	N+N	50	0.22	1.5	2.3	±20	0.35	0.8	1.45	25	150	Yes
2N7002DW	SOT-363	N+N	60	0.34	2.5	3	±20	0.3	1	2.5	25.2	150	No
2N7002DW-TPQ2	SOT-363	N+N	60	0.34	2.5	3	±20	0.3	1	2.5	25.2	150	No
2N7002KDW	SOT-363	N+N	60	0.34	3	4	±20	0.3	1	2.5	16	150	Yes
2N7002KDW-TPQ2	SOT-363	N+N	60	0.34	3	4	±20	0.3	1	2.5	16	150	Yes
BSS8402DW	SOT-363	N+P	60/-50	0.115/-0.13	2.0/8.0	-	±20	0.39	1/-0.9	2.5/-2	25.2/27	150	No
MC7252KDW	SOT-363	N+P	60/-50	0.34/-0.18	2.5/6	3.0/7.0	±20	0.32	1/-0.9	2.5/-2	15.2/37	150	Yes
MC7252KDWA	SOT-363	N+P	60/-50	0.34/-0.18	2.5/6	3.0/7.0	±20	0.32	1.0/-0.9	2.5/-2	15.2/37	150	Yes
SI2129DW	SOT-363	P+P	-20	-1	-	0.14	±10	0.43	-0.4	-1	220	150	No
SI3139KDWA	SOT-363	P+P	-20	-0.6	-	0.85	±12	0.32	-0.35	-1.1	36	150	Yes
BSS84KDW	SOT-363	P+P	-60	-0.32	6	7	±20	0.31	-1	-2	37	150	Yes
BSS84DW	SOT-363	P+P	-60	-0.16	8	-	±20	0.45	-0.9	-2	39	150	No
SI3134KDWAS	SOT-363S	N+N	20	0.75	-	0.3	±12	0.26	0.5	0.9	28	150	Yes
SI3439KDWAS	SOT-363S	N+P	20/-20	0.75/-0.6	-	0.3/0.85	±12	0.325	0.35/-0.35	1.1/-1.1	28/36	150	Yes
SI6303KDWS	SOT-363S	N+N	30	0.5	-	0.5	±12	0.3	0.6	1.5	34	150	Yes
2N7002KDWS	SOT-363S	N+N	60	0.22	3	4	±20	0.3	1	2.5	16	150	Yes
BSS138AKDWS	SOT-363S	N+N	60	0.22	1.6	2.5	±20	0.32	0.8	1.1	29.5	150	Yes
MC7252KDWAS	SOT-363S	N+P	60/-50	0.34/-0.18	2.5/6.0	3.0/7.0	±20	0.32	1.0/-0.9	2.0/-2.0	15.2/37	150	Yes
BSS123DWS	SOT-363S	N+N	100	0.2	3.4	3.6	±20	0.271	1	2.5	35	150	No
SI3139KDWAS	SOT-363S	P+P	-20	-0.6	-	0.85	±12	0.32	-0.35	-1.1	36	150	Yes
BSS84KDWS	SOT-363S	P+P	-60	-0.32	3	3.5	±20	0.31	-1	-2	37	150	Yes
SI3134KEA	SOT-523	N	20	0.75	-	0.3	±12	0.3	0.5	0.9	28	150	Yes
2SK3019	SOT-523	N	30	0.1	4	5	±20	0.29	0.8	1.5	16	150	Yes
2SK3019A	SOT-523	N	30	0.1	4	5	±20	0.29	0.8	1.5	16	150	Yes
SI0205	SOT-523	N	50	0.2	-	4	±8	0.83	0.3	0.8	33	150	Yes
BSS138KT	SOT-523	N	50	0.25	1.6	2.5	±20	0.28	0.5	1.5	29	150	Yes
BSS138BKT	SOT-523	N	50	0.34	1.5	2.3	±20	0.35	0.5	1.5	25	150	Yes
2N7002T	SOT-523	N	60	0.115	5	7.5	±20	0.15	1	2	15.6	150	No
2N7002KT	SOT-523	N	60	0.3	2.5	3	±20	0.15	1	2.5	15.6	150	Yes
BSS123E	SOT-523	N	100	0.2	3.4	3.6	±20	0.357	1	2.5	35	150	No
SI3139KEA	SOT-523	P	-20	-0.6	-	0.85	±12	0.4	-0.35	-1.1	35	150	Yes
BSS84KT	SOT-523	P	-60	-0.26	6	7	±20	0.27	-1	-2	37	150	Yes
SIX3134KA	SOT-563	N+N	20	0.75	-	0.3	±12	0.3	0.5	1.1	28	150	Yes
SIX3439KA	SOT-563	N+P	20/-20	0.75/-0.6	-	0.3/0.85	±12	0.312	0.5/-0.5	1.1/-1.1	27/36	150	Yes
SIX3439KA-TPQ2	SOT-563	N+P	20/-20	0.75/-0.6	-	0.3/0.85	±12	0.312	0.5/-0.5	1.1/-1.1	27/36	150	Yes
UM6X1NA	SOT-563	N+N	30	0.5	0.75	0.96	±20	0.352	0.7	1.5	13.9	150	Yes
2N7002V	SOT-563	N+N	60	0.115	2.5	-	±20	0.15	1	2.5	25.2	150	No
BSS138KV	SOT-563	N+N	60	0.204	3.3	4.1	±20	0.289	0.6	1.4	13.3	150	Yes

Small Signal MOSFETs

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			V_{DS} (V)	I_D (A)	$R_{DS(ON)}$ (Ω) @10V	$R_{DS(ON)}$ (Ω) @4.5V	V_{GS} (V)	P_D (W)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	C_{iss} (pF)	T_j (°C)	
2N7002KV	SOT-563	N+N	60	0.34	5	5.3	±20	0.15	1	2.5	15.6	150	Yes
MC7252KV	SOT-563	N+P	60/-60	0.23/-0.18	2.5/4.0	3.0/4.0	±20	0.285	1.0/-0.8	2.0/-1.8	16.2/25.2	150	Yes
SIX3K4N10L	SOT-563	N+N	100	0.2	3.4	3.6	±20	0.35	1	2.5	34	150	No
SIX3139KA	SOT-563	P+P	-20	-0.6	-	0.85	±12	0.34	-0.35	-1.1	36	150	Yes
BSS84KV	SOT-563	P+P	-60	-0.26	2.9	3.5	±20	0.37	-1	-2.5	33.5	150	Yes
SI3134KA	SOT-723	N	20	0.75	-	0.3	±12	0.25	0.35	1.1	27	150	Yes
MC3541A	SOT-723	N	30	0.3	3	4	±20	0.27	0.8	1.45	16	150	Yes
2SK3020	SOT-723	N	30	0.5	0.75	0.95	±20	0.266	0.7	1.5	13.9	150	Yes
2N7002KM	SOT-723	N	60	0.34	4	4.5	±20	0.275	1	2.5	15.6	150	Yes
BSS123M	SOT-723	N	100	0.2	3.4	3.6	±20	0.337	1	2.5	35	150	No
SI3139KA	SOT-723	P	-20	-0.66	-	0.85	±12	0.3	-0.35	-1.1	35	150	Yes
BSS84KM	SOT-723	P	-60	-0.26	6	7	±20	0.35	-0.8	-2.5	36	150	Yes
MCA03N06	SOT-89	N	60	3	0.1	0.12	±20	1.7	0.65	1.55	699	150	No
MCA031N06L	SOT-89	N	60	5	0.031	0.038	±20	1.79	1	2.5	1150	150	No
MCA03N10	SOT-89	N	100	3	0.14	-	±20	1.9	1	2	573	150	No

Power MOSFETs

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Static Drain-Source On-Resistance	Gate Source Voltage	Power Rating	Gate Threshold Voltage	Gate Threshold Voltage	Input Capacitance	Single Pulse Avalanche Energy	Operating Junction Temperature	ESD Diodes (Y/N)
			V_{DS} (V)	I_D (A)	$R_{DS(ON)}$ (Ω) @10V	V_{GS} (V)	P_D (W)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	C_{iss} (pF)	E_{AS} (mj)	T_j (°C)	
MCG30N03A	DFN3333	N	30	30	0.01	±20	27	1	2.5	1052	60	175	No
MCG5D9N03YL	DFN3333	N	30	45	0.0059	±20	22	1.2	2.5	594	30	150	No
MCG50N03	DFN3333	N	30	50	0.006	±20	30	1	2.5	2150	112	175	No
MCG3D6N03L	DFN3333	N	30	60	0.0036	±20	40	1	2	4665	400	150	No
MCG3D7N03L	DFN3333	N	30	100	0.0037	±20	62.5	1	2	3675	169	150	No
MCG20N04	DFN3333	N	40	20	0.014	±20	24	1	2.5	990	40	150	No
MCG35N04A	DFN3333	N	40	35	0.008	±20	40	1	2.5	2000	120	150	No
MCG8D8N04YL	DFN3333	N	40	47	0.0088	±20	32	1.2	2.5	682	64	150	No
MCG50N04	DFN3333	N	40	50	0.004	±20	52	1	2.5	4300	400	150	No
MCG029N06L	DFN3333	N	60	18	0.029	±20	18.6	1	2.5	1180	36	150	No
MCG8D2N06YL	DFN3333	N	60	45	0.0082	±20	32.6	1	2.5	1050	49	175	No
MCG53N06A	DFN3333	N	60	53	0.0082	±20	45	1.2	2.5	1850	162	150	No
MCG60N06Y	DFN3333	N	60	60	0.006	±20	60	1	2.5	1666	144	175	No
MCG240N10L	DFN3333	N	100	5	0.24	±20	13.8	1.1	3	380	4	150	No
MCG15N10	DFN3333	N	100	15	0.099	±20	30.5	2	4	1273	20	150	No
MCG40N10Y	DFN3333	N	100	40	0.0185	±20	43	1	2.5	1139	81	150	No
MCG013N10YL	DFN3333	N	100	45	0.013	±20	46	1	3	1800	100	150	No
MCG45N10Y	DFN3333	N	100	45	0.012	±20	48	2	4	1683	12	150	No
MCG012N10YL	DFN3333	N	100	50	0.012	±20	78	1	3	1370	64	175	No
MCG05N20	DFN3333	N	200	5	0.32	±20	54	1	2	455	60	150	No
MCG35P02	DFN3333	P	-20	-35		±10	69	-0.4	-1	2100	98	150	No
MCG55P02A	DFN3333	P	-20	-55		±10	38	-0.4	-1	4231	98	150	No
MCG20P03	DFN3333	P	-30	-20	0.02	±20	21	-1	-2.5	1618	72	150	No
MCG25P03	DFN3333	P	-30	-25	0.019	±20	62.5	-1	-2	1385	60.5	150	No
MCG30P03	DFN3333	P	-30	-30	0.015	±25	32	-1.2	-2.8	2450	100	150	No
MCG35P03A	DFN3333	P	-30	-54	0.009	±20	41.6	-1	-2.5	2377	162	150	No
MCG35P04	DFN3333	P	-40	-35	0.025	±20	38	-1	-2.5	1257	50	150	No
MCG35P04A	DFN3333	P	-40	-35	0.02	±20	59	-1	-2.5	2511	98	150	No
MCG078P06L	DFN3333	P	-60	-14	0.078	±20	29.8	-1	-2	1200	25	150	No
MCG20P06	DFN3333	P	-60	-20	0.025	±20	25	-1	-3	1533	100	150	No
MCG055P06	DFN3333	P	-60	-21	0.055	±20	46.3	-1	-3	1465	44	150	No
MCG25P06Y	DFN3333	P	-60	-25	0.05	±20	73.5	-1.5	-2.7	1024	81	150	No
MCG085P10	DFN3333	P	-100	-14	0.085	±20	34.7	-1.5	-2.5	2095	64	150	No
MCG052P10Y	DFN3333	P	-100	-16	0.052	±25	25	-1.9	-3.5	860	72	150	No
MCG360P15	DFN3333	P	-150	-10	0.36	±20	78	-2	-4	2088	49	150	No
MCG20P06Y	DFN3333-8	P	-60	-20	0.028	±20	39	-1	-2.5	1483	103	150	No
MCGWF45P04	DFN3333-8(SWF)	P	-40	-45	0.013	±20	41.7	-1	-3	3136	132	150	No
MCGWF085P10	DFN3333-8(SWF)	P	-100	-16	0.085	±20	56.8	-1.5	-2.5	2040	79	150	No
MCG020N03L	DFN3333-D	N+N	30	21	0.02	±20	15	1	2.2	390	16	150	No
MCGD10NP03	DFN3333-D	N+P	30/-30	10/-10	0.017/0.040	±20	21	1.5/-1.5	2.5/-2.5	873/888	20/24	150	Yes
MCGD018NP03L	DFN3333-D	N+P	30/-30	20/-20	0.020/0.018	±20	27/22	1.0/-1.0	2.5/-2.5	380/1220	25/81	150	No
MCGD25N04	DFN3333-D	N+N	40	25	0.018	±20	18	1	2.5	940	50	150	No
MCGD016NP04L	DFN3333-D	N+P	40/-40	24/-18	0.016/0.029	±20	19/19.5	1.0/-1.1	2.2/-2.1	965/1225	6.25/6.25	150	No
MCGD115NP10L	DFN3333-D	N+P	100/-100	10/-5.5	0.115/0.325	±20	31/24	1.3/-1.0	2.3/-2.0	851/949	8/6.1	150	No

Power MOSFETs

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Static Drain-Source On-Resistance	Gate Source Voltage	Power Rating	Gate Threshold Voltage	Gate Threshold Voltage	Input Capacitance	Single Pulse Avalanche Energy	Operating Junction Temperature	ESD Diodes (Y/N)
			V_{DS} (V)	I_D (A)	$R_{DS(ON)}$ (Ω) @10V	V_{GS} (V)	P_D (W)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	C_{iss} (pF)	E_{AS} (mj)	T_j (°C)	
MCGD30P02	DFN3333-D	P+P	-20	-30		±10	21	-0.4	-1	2157	31	150	No
MCG6D5N03L	PDFN3333	N	30	60	0.0065	±20	41	1	2.5	1045	72	150	No
MCG3D2N03YL	PDFN3333	N	30	70	0.0032	±20	62.5	1.2	2.5	1212	84	150	No
MCG4D8N04Y	PDFN3333	N	40	75	0.0048	±20	60	2	4	880	54	175	No
MCG4D5N04YL	PDFN3333	N	40	80	0.0045	±20	68	1	2.5	960	54	175	No
MCG018N06L	PDFN3333	N	60	30	0.018	±20	59	1	2	1850	55	150	No
MCG010N06YL	PDFN3333	N	60	45	0.01	±20	39	1.3	2.5	927	40	150	No
MCG120N10L	PDFN3333	N	100	10	0.12	±20	35	1.3	2.3	998	18	175	No
MCG062N15Y	PDFN3333	N	150	14	0.062	±20	52	2	4	784	7	150	No
MCG45P02	PDFN3333	P	-20	-45		±10	56.8	-0.4	-1	5236	64	150	No
MCG50P03B	PDFN3333	P	-30	-50	0.011	±25	56	-1	-3	1745	95	150	No
MCG6D0N03YL	PDFN3333-B	N	30	45	0.006	±20	38	1	2.5	594	36	150	No
MCGL2D1N03YL	PDFN3333-B	N	30	100	0.0021	±20	50	1.2	2.5	2630	162	175	No
MCG8D2N04YL	PDFN3333-B	N	40	45	0.0082	±20	31	1.1	2.1	910	44	150	No
MCACLF320N04Y	LFPAK56E	N	40	320	0.00062	±20	230	2	4	6485	441	175	No
MCAC40N03A	DFN5060	N	30	40	0.0075	±20	35	1	2.5	1050	55	150	No
MCAC50N03	DFN5060	N	30	50	0.0047	±20	50	1	2.5	2041	196	175	No
MCAC5D5N03YL	DFN5060	N	30	55	0.0055	±20	39	1.2	2.2	560	36	150	No
MCAC68N03Y	DFN5060	N	30	68	0.0072	±20	41	1	2	723	41.4	150	No
MCAC100N03Y	DFN5060	N	30	100	0.003	±20	104	1.5	2.5	2559	270	150	No
MCAC10H03A	DFN5060	N	30	100	0.003	±20	96	1	2.5	3620	243	150	No
MCAC2D4N03YL	DFN5060	N	30	125	0.0024	±20	62.5	1.2	2.2	1525	110	150	No
MCAC2D7N03YL	DFN5060	N	30	130	0.0027	±20	73	1.2	2.5	1250	84	150	No
MCAC150N03A	DFN5060	N	30	150	0.002	±20	75	1	2.5	4498	400	150	No
MCAC1D1N03YL	DFN5060	N	30	240	0.0011	±20	104	1.2	2.5	6315	625	175	No
MCAC30N04	DFN5060	N	40	30	0.014	±20	35.7	1	2.5	956	49	150	No
MCAC8D8N04YL	DFN5060	N	40	45	0.0088	±20	31	1.2	2.5	681	49	150	No
MCAC5D9N04Y	DFN5060	N	40	72	0.0059	±20	68	2	4	630	49	175	No
MCAC75N04Y	DFN5060	N	40	75	0.0068	±20	72	2	4	935	26	175	No
MCAC7D0N04L	DFN5060	N	40	75	0.007	±20	83	1	2.5	1900	100	150	No
MCAC4D4N04YL	DFN5060	N	40	80	0.0044	±20	51	1.2	2.5	970	60	175	No
MCAC80N04Y	DFN5060	N	40	80	0.0026	±20	104.2	2	4	3460	200	150	No
MCAC88N04Y	DFN5060	N	40	88	0.0045	±20	68	2	4	861	56	175	No
MCAC1D9N04YL	DFN5060	N	40	95	0.0019	±20	62	1	2.5	4080	400	150	No
MCAC100N04	DFN5060	N	40	100	0.0035	±20	75	1	2.5	4165	400	150	No
MCAC3D5N04Y	DFN5060	N	40	118	0.0035	±20	115	2	4	1513	110	175	No
MCAC120N04Y	DFN5060	N	40	120	0.0031	±20	83	2	4	2144	156	175	No
MCAC130N04	DFN5060	N	40	130	0.00175	±20	115	1	2.5	7140	600	150	No
MCAC140N04Y	DFN5060	N	40	140	0.002	±20	150	1	3	2354	169	175	No
MCAC2D6N04Y	DFN5060	N	40	166	0.0026	±20	125	2	4	2134	182	175	No
MCAC180N04Y	DFN5060	N	40	180	0.002	±20	115	2	4	4383	441	175	No
MCAC1D4N04YL	DFN5060	N	40	185	0.0014	±20	83	1.3	2.3	6330	900	150	No
MCAC30N06Y	DFN5060	N	60	30	0.02	±20	45	1	2.5	2371	100	150	No
MCAC53N06Y	DFN5060	N	60	53	0.0075	±20	69	1.1	2.5	2062	100	150	No

Power MOSFETs

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Static Drain-Source On-Resistance	Gate Source Voltage	Power Rating	Gate Threshold Voltage	Gate Threshold Voltage	Input Capacitance	Single Pulse Avalanche Energy	Operating Junction Temperature	ESD Diodes (Y/N)
			V_{DS} (V)	I_D (A)	$R_{DS(ON)}$ (Ω) @10V	V_{GS} (V)	P_D (W)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	C_{iss} (pF)	E_{AS} (mj)	T_j (°C)	
MCAC9D6N06YL	DFN5060	N	60	53	0.0096	±20	48	1.3	2.3	875	42	150	No
MCAC012N06H	DFN5060	N	60	60	0.012	±20	104	2	4	1995	265	150	No
MCAC9D5N06YL	DFN5060	N	60	60	0.0095	±20	69	1	3	1390	64	150	No
MCAC65N06Y	DFN5060	N	60	65	0.0057	±20	100	1	2.5	1740	144	175	No
MCAC7D6N06Y	DFN5060	N	60	66	0.0076	±20	62.5	1.5	2.5	1270	153	150	No
MCAC75N06Y	DFN5060	N	60	75	0.0056	±20	75	2	4	1534	169	175	No
MCAC80N06Y	DFN5060	N	60	80	0.0042	±20	85	1.2	2.5	3783	400	150	No
MCAC85N06KY	DFN5060	N	60	85	0.0037	±20	113	1	2.5	4135	400	150	Yes
MCAC95N06Y	DFN5060	N	60	95	0.0028	±20	120	1.2	2.2	5300	800	150	No
MCAC95N06YB	DFN5060	N	60	95	0.0029	±20	120	2	4	4152	800	150	No
MCAC110N06Y	DFN5060	N	60	110	0.0028	±20	104	1	2.5	3196	220	150	No
MCAC2D7N06YL	DFN5060	N	60	120	0.0027	±20	78	1.3	2.3	3500	361	150	No
MCACL2D5N06YL	DFN5060	N	60	140	0.0025	±20	114	1.2	2.5	4320	800	150	No
MCAC160N06Y	DFN5060	N	60	160	0.0025	±20	150	2	4	3586	529	175	No
MCACL2D4N06YL	DFN5060	N	60	200	0.0024	±20	283	1	2.5	2763	242	175	No
MCAC2D6N06YL	DFN5060	N	60	240	0.0026	±20	300	1.3	2.4	3124	272	175	No
MCAC95N065Y	DFN5060	N	65	95	0.0028	±20	120	1.2	2.2	5185	800	150	No
MCAC2D5N065Y	DFN5060	N	65	160	0.0025	±20	150	2	4	3586	529	175	No
MCAC100N08Y	DFN5060	N	80	100	0.0045	±20	152	2	4	5492	600	150	No
MCAC100N08YA	DFN5060	N	80	100	0.0045	±20	152	1	2.5	6268	600	150	No
MCACL170N08Y	DFN5060	N	80	170	0.0025	±20	208	2	4	6452	648	150	No
MCAC25N10Y	DFN5060	N	100	25	0.033	±20	53	1	2.5	509	25	175	No
MCAC031N10Y	DFN5060	N	100	25.5	0.031	±20	45	2.2	3.7	463	29	175	No
MCAC38N10Y	DFN5060	N	100	38	0.0175	±20	59	1	2.5	1166	81	150	No
MCAC38N10YA	DFN5060	N	100	38	0.02	±20	60	2	4	1200	84	150	No
MCAC47N10Y	DFN5060	N	100	47	0.012	±20	68	2	4	1255	98	175	No
MCAC50N10Y	DFN5060	N	100	50	0.006	±20	78	1	3	3060	100	150	No
MCAC55N10Y	DFN5060	N	100	55	0.014	±20	89	1	3	1800	121	150	No
MCAC012N10YL	DFN5060	N	100	58	0.012	±20	100	1	2.5	1396	81	175	No
MCAC014N10Y	DFN5060	N	100	60	0.014	±20	104	1	3	1305	81	150	No
MCAC60N10Y	DFN5060	N	100	60	0.0086	±20	88	2.2	3.4	2346	200	150	No
MCAC60N10YA	DFN5060	N	100	60	0.0086	±20	88	1.3	2.5	2330	200	150	No
MCAC6D5N10YL	DFN5060	N	100	74	0.0065	±20	104	1.1	2.5	2870	289	150	No
MCAC7D5N10YL	DFN5060	N	100	75	0.0075	±20	89	1.3	2.5	2460	225	150	No
MCAC6D5N10Y	DFN5060	N	100	80	0.0065	±20	104	2	3	3280	156	150	No
MCAC80N10Y	DFN5060	N	100	80	0.0043	±20	89	1	3	3375	64	150	No
MCAC8D3N10YH	DFN5060	N	100	81	0.0083	±20	115	2	4	1622	138	175	No
MCAC8D0N10Y	DFN5060	N	100	83	0.008	±20	113	2.2	3.7	1420	121	150	No
MCAC8D5N10Y	DFN5060	N	100	85	0.0085	±20	125	1.4	3	1825	110	150	No
MCAC90N10Y	DFN5060	N	100	90	0.0048	±20	120	2	4	4458	400	150	No
MCAC5D2N10YL	DFN5060	N	100	95	0.0052	±20	104	1.1	2.5	4050	400	150	No
MCAC5D0N10Y	DFN5060	N	100	100	0.005	±20	104	1.4	3	3900	306	150	No
MCAC5D2N10Y	DFN5060	N	100	117	0.0052	±20	138	1.8	3.4	2090	169	150	No
MCAC4D6N10Y	DFN5060	N	100	144	0.0046	±20	178	2.4	3.4	2592	225	150	No

Power MOSFETs

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Static Drain-Source On-Resistance	Gate Source Voltage	Power Rating	Gate Threshold Voltage	Gate Threshold Voltage	Input Capacitance	Single Pulse Avalanche Energy	Operating Junction Temperature	ESD Diodes (Y/N)
			V_{DS} (V)	I_D (A)	$R_{DS(ON)}$ (Ω) @10V	V_{GS} (V)	P_D (W)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	C_{iss} (pF)	E_{AS} (mj)	T_j (°C)	
MCAC3D4N10YH	DFN5060	N	100	196	0.0034	±20	263	2	4	4738	578	175	No
MCAC88N12	DFN5060	N	120	88	0.0072	±20	120	2	4	4514	400	150	No
MCAC88N12A	DFN5060	N	120	88	0.0076	±20	120	1	3	4643	400	150	No
MCAC150N15Y	DFN5060	N	150	11	0.15	±20	41.6	1.5	2.5	245	2.4	150	No
MCAC15N15Y	DFN5060	N	150	15	0.07	±20	50	2	4	740	4.4	150	No
MCAC57N15Y	DFN5060	N	150	57	0.017	±20	104	2	4	2527	81	150	No
MCAC60N15YA	DFN5060	N	150	60	0.019	±25	125	2	4	2981	25	150	No
MCAC012N15YH	DFN5060	N	150	70	0.0118	±20	125	2	4	3750	361	150	No
MCAC011N15YL	DFN5060	N	150	80	0.0114	±20	178	1.5	2.5	3410	400	150	No
MCAC80N15Y	DFN5060	N	150	80	0.011	±25	178	2	4	5244	144	150	No
MCAC80N15YA	DFN5060	N	150	80	0.013	±20	178	2	4	3180	320	150	No
MCAC246N20YH	DFN5060	N	200	8.4	0.246	±20	40	2.2	3.7	172	30.6	150	No
MCAC055N20YH	DFN5060	N	200	34	0.055	±20	139	2.2	3.8	885	100	150	No
MCAC115P02	DFN5060	P	-20	-115	0.0032	±10	83.3	-0.3	-0.9	5830	400	150	No
MCAC30P03	DFN5060	P	-30	-30	0.016	±20	41.7	-1	-2	1385	60	150	No
MCAC40P03	DFN5060	P	-30	-40	0.009	±20	54	-1	-2.5	2365	180	150	No
MCAC011P03L	DFN5060	P	-30	-50	0.0105	±25	62.5	-1.2	-2.8	1860	100	150	No
MCAC50P03B	DFN5060	P	-30	-50	0.0055	±25	83	-1.2	-2.8	6426	360	150	No
MCAC55P03	DFN5060	P	-30	-55	0.006	±20	104	-1	-2	3399	361	150	No
MCAC8D0P03L	DFN5060	P	-30	-65	0.008	±20	71	-1	-2.5	2360	256	150	No
MCAC3D0P03L	DFN5060	P	-30	-120	0.003	±20	152	-1	-2.1	7259	676	150	No
MCAC030P04L	DFN5060	P	-40	-20	0.03	±20	31	-1.1	-2.5	1080	50	150	No
MCAC50P04	DFN5060	P	-40	-50	0.013	±20	96	-1	-2.5	3302	200	150	No
MCAC012P04L	DFN5060	P	-40	-55	0.012	±20	78	-1	-2.5	2604	132	150	No
MCAC7D5P04L	DFN5060	P	-40	-60	0.0075	±25	83	-1.2	-2.5	4600	400	150	No
MCAC28P06Y	DFN5060	P	-60	-28	0.05	±20	60	-1.5	-2.7	1065	81	150	No
MCAC60P06	DFN5060	P	-60	-60	0.018	±20	130	-2	-3.5	6683	225	175	No
MCAC013P06L	DFN5060	P	-60	-74	0.013	±20	150	-1.2	-2.4	5029	225	175	No
MCAC80P06Y	DFN5060	P	-60	-80	0.008	±18	120	-2	-4	5300	400	150	No
MCAC017P08Y	DFN5060	P	-80	-50	0.017	±18	104	-1.2	-3	5330	600	150	No
MCAC085P10	DFN5060	P	-100	-18	0.085	±20	56.8	-1.5	-2.5	2080	96	150	No
MCAC054P10Y	DFN5060	P	-100	-25	0.054	±20	67	-1.9	-3.5	870	72	150	No
MCAC055P10	DFN5060	P	-100	-25	0.055	±20	63	-1.5	-2.5	3620	144	150	No
MCAC25P10Y	DFN5060	P	-100	-25	0.056	±20	88	-1	-2.5	2077	162	150	No
MCAC150P15YL	DFN5060	P	-150	-14	0.15	±20	62.5	-1.3	-2.5	829	90	150	No
MCACD260N10L	DFN5060-8D	N+N	100	4.9	0.26	±20	14.7	1.1	3	408	4	150	No
MCACD20N10Y	DFN5060-8D	N+N	100	20	0.022	±20	31	1	2.5	1202	64	150	No
MCACD12NP10Y	DFN5060-8D	N+P	100/-100	25/-12	0.026/0.120	±20	41	1.2/-1.2	2.5/-2.5	1270/1120	64/72	150	No
MCACL1D7N04YH	DFN5060-C	N	40	180	0.0017	±20	125	2	4	4317	506	175	No
MCACL200N04YA	DFN5060-C	N	40	200	0.0013	±20	156	1	2.5	7400	625	150	No
MCACL280N04Y	DFN5060-C	N	40	280	0.0008	±20	197	2	4	5413	1458	175	No
MCACLD85N04YL	DFN5060-C	N	40	300	0.00085	±20	136	1	2.5	6125	1250	175	No
MCACL330N04Y	DFN5060-C	N	40	330	0.00085	±20	250	2	4	8098	2000	175	No
MCACL175N06Y	DFN5060-C	N	60	175	0.00225	±20	138	1	2.5	5084	992	150	No

Power MOSFETs

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Static Drain-Source On-Resistance	Gate Source Voltage	Power Rating	Gate Threshold Voltage	Gate Threshold Voltage	Input Capacitance	Single Pulse Avalanche Energy	Operating Junction Temperature	ESD Diodes (Y/N)
			V_{DS} (V)	I_D (A)	$R_{DS(ON)}$ (Ω) @10V	V_{GS} (V)	P_D (W)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	C_{iss} (pF)	E_{AS} (mj)	T_j (°C)	
MCACL190N06Y	DFN5060-C	N	60	190	0.002	±20	192	2	3.5	3569	512	175	No
MCACL220N06Y	DFN5060-C	N	60	220	0.0016	±20	147	1	2.5	7500	676	150	No
MCACL1D6N06YL	DFN5060-C	N	60	230	0.0016	±20	208	1	2.5	6180	576	150	No
MCACL110N08Y	DFN5060-C	N	80	110	0.0039	±20	125	2	4	5947	846	150	No
MCACL120N10Y	DFN5060-C	N	100	120	0.0042	±20	108	2	4	4551	552	150	No
MCACL120N10YA	DFN5060-C	N	100	120	0.004	±20	116	1	2.5	4400	529	150	No
MCAC130N04Y	PDFN5060	N	40	130	0.0019	±20	150	1.2	2.5	7345	661	175	No
MCACD6D5N03L	PDFN5060-8D	N+N	30	45	0.0065	±20	44	1	2.5	1170	144	150	No
MCACD40NP03	PDFN5060-8D	N+P	30/-30	40/-40	0.009/0.012	±20	50/54	1.0/-1.2	2.5/-2.7	1050/1860	56/90	150	No
MCACD013N04L	PDFN5060-8D	N+N	40	30	0.013	±20	35	1	2.5	970	42	175	No
MCACD60N04Y	PDFN5060-8D	N+N	40	60	0.0055	±20	50	2	4	861	49	175	No
MCACD030N06L	PDFN5060-8D	N+N	60	20	0.03	±20	41	1	2.5	1150	40	150	No
MCACD011N06YL	PDFN5060-8D	N+N	60	48	0.011	±20	44	1.3	2.4	880	35.4	150	No
MCACD8D5N06YL	PDFN5060-8D	N+N	60	50	0.0085	±20	56	1	2.5	1930	88	150	No
MCACD60N06Y	PDFN5060-8D	N+N	60	60	0.0065	±20	50	1	2.5	1740	128	175	No
MCACD6D3N06Y	PDFN5060-8D	N+N	60	60	0.0063	±20	93.7	2	4	1529	121	175	No
MCACD032NP06L	PDFN5060-8D	N+P	60/-60	20/-12	0.032/0.110	±20	41/31	1.0/-1.2	2/-2.2	1150/900	36/36	150	No
MCACD033N10YL	PDFN5060-8D	N+N	100	20	0.033	±20	41	1.2	2.2	500	20	175	No
MCACD014N10Y	PDFN5060-8D	N+N	100	50	0.014	±20	83	1	3	1305	49	150	No
MCACD100NP10L	PDFN5060-8D	N+P	100/-100	10/-12	0.10/0.11	±20	39/44	1.1/-1.0	3/-2.5	850/1060	12/49	150	No
MCACD085P10	PDFN5060-8D	P+P	-100	-17	0.085	±20	59.5	-1.5	-2.5	2110	64	150	No
MCACLS1D6N06YH	PDFN5060-DSC-B	N	60	300	0.00168	±20	454	2	4	4746	670	175	No
MCQ4406A	SOP-8	N	30	12	0.012	±20	2.5	1	2.5	1035	56	150	No
MCQ16N03	SOP-8	N	30	16	0.012	±20	2.5	1	3	1035	56	150	No
MCQ18N03	SOP-8	N	30	18	0.007	±20	2.1	1	2.5	1765	121	150	No
MCQ10N04	SOP-8	N	40	10	0.015	±20	3	1	2.5	971	49	150	No
MCQ4438	SOP-8	N	60	8.2	0.022	±20	2.1	1	3	2306	72	150	No
MCQ011N06YL	SOP-8	N	60	10	0.011	±20	2.5	1	3	1390	84	150	No
MCQ10N06Y	SOP-8	N	60	10	0.019	±20	1.9	1	2.5	873	40	150	No
MCQ12N06	SOP-8	N	60	12	0.009	±20	2.5	1.1	2.5	1815	120	150	No
MCQ014N10YL	SOP-8	N	100	11	0.014	±20	2.5	1	3	1800	121	150	No
MCQ12N10Y	SOP-8	N	100	12	0.017	±20	2.1	2	4	1235	80	150	No
MCQ15N10YA	SOP-8	N	100	15	0.0095	±20	2.1	1	3	2350	156	150	No
MCQ05N15	SOP-8	N	150	5	0.063	±25	2	2	4	1179	40	150	No
MCQ070N15YH	SOP-8	N	150	5	0.07	±20	3.5	2	4	750	4.4	150	No
MCQD08N03B	SOP-8	N+N	30	8	0.025	±12	1.6	0.6	1.5	580	16	150	No
MCQD08N03A	SOP-8	N+N	30	8.5	0.023	±20	2.35	1	2.2	367	-	150	No
MCQD12N03A	SOP-8	N+N	30	12	0.012	±20	1.5	1	2.5	1035	56	150	No
MCQ4503B	SOP-8	N+P	30/-30	5.6/-4.4	0.025/0.055	±12	2	0.65/-0.60	1.5/-1.4	573/831	-	150	No
MCQ4503A	SOP-8	N+P	30/-30	6.5/-5.0	0.03/0.06	±20	2	1.2/-1	2.4/-2.5	255/520	-	150	No
MCQ018NP03L	SOP-8	N+P	30/-30	7.0/-5.0	0.018/0.043	±20	2.0/2.0	1.0/-1.1	2.2/-2.4	380/490	-	150	No
MCQ07NP03A	SOP-8	N+P	30/-30	7.0/-7.0	0.018/0.023	±20	1.6	1.0/-1.0	2.2/-2.5	357/1623	-	150	No
MCQD07N04	SOP-8	N+N	40	7	0.032	±20	2.1	1	2.5	390	14	150	No
MCQ11NP04	SOP-8	N+P	40/-40	11/-11	0.032/0.033	±20	2.1/2.3	1.0/-1.0	2.5/-2.5	390/1080	15/45	150	No

Power MOSFETs

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Static Drain-Source On-Resistance	Gate Source Voltage	Power Rating	Gate Threshold Voltage	Gate Threshold Voltage	Input Capacitance	Single Pulse Avalanche Energy	Operating Junction Temperature	ESD Diodes (Y/N)
			V_{DS} (V)	I_D (A)	$R_{DS(ON)}$ (Ω) @10V	V_{GS} (V)	P_D (W)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	C_{iss} (pF)	E_{AS} (mj)	T_j (°C)	
MCQ03N06	SOP-8	N+N	60	3	0.105	±20	1.7	0.8	1.4	247	-	150	No
MCQD04N06	SOP-8	N+N	60	4	0.075	±20	1.7	0.9	2	400	12	150	No
MCQ4828A	SOP-8	N+N	60	4.5	0.056	±20	1.6	1	3	824	18	150	No
MCQ05N06	SOP-8	N+N	60	5	0.045	±20	1.7	1	3	1363	-	150	No
MCQD05N06	SOP-8	N+N	60	5	0.035	±20	1.6	1	2.5	1152	30	150	No
MCQD08N06	SOP-8	N+N	60	8	0.022	±20	1.6	1	3	2000	49	150	No
MCQD09N06Y	SOP-8	N+N	60	9	0.02	±20	1.7	1	2.5	873	50	150	No
MCQ4559A	SOP-8	N+P	60/-60	4.5/-3.5	0.045/0.080	±20	2	1.0/-1.0	2.5/-2.5	822/2992	24	150	No
MCQ200NP10L	SOP-8	N+P	100/-100	4.0/-4.0	0.27/0.20	±20	1.6	1.0/-1.0	2.5/-2.5	325/1369	2.0/28	150	No
MCQ03NP10L	SOP-8	N+P	100/-100	5.0/-3.0	0.027/0.110	±20	1.3	1.0/-1.0	2.5/-2.5	1170/1050	-	150	No
MCQ14P02	SOP-8	P	-20	-14	-	±10	1.4	-0.4	-1	4224	361	150	No
MCQD04P02	SOP-8	P+P	-20	-4	-	±10	1.4	-0.4	-1	493	12	150	No
MCQ065P03L	SOP-8	P	-30	-4	0.065	±20	1.25	-1	-2.4	260	-	150	No
MCQ9435	SOP-8	P	-30	-5.1	0.05	±20	1.4	-1	-2	604	20	150	No
MCQ4435	SOP-8	P	-30	-9.1	0.024	±20	1.4	-1	-3	1812	20	150	No
MCQ4435A	SOP-8	P	-30	-10	0.024	±20	1.4	-1	-2.5	1630	20	150	No
MCQ4407B	SOP-8	P	-30	-12	0.0125	±25	1.8	-1.2	-2.8	2478	90	150	No
MCQ4407C	SOP-8	P	-30	-12	0.013	±20	2	-1	-2	1735	64	150	No
MCQ4409B	SOP-8	P	-30	-18	0.006	±25	3.1	-1	-2.5	3530	400	150	No
MCQD065P03L	SOP-8	P+P	-30	-4	0.065	±20	1.25	-1	-2.4	260	-	150	No
MCQ4953	SOP-8	P+P	-30	-5	0.05	±20	1.6	-1	-2.5	604	20	150	No
MCQ7328	SOP-8	P+P	-30	-8	0.021	±20	1.4	-1	-2.5	1558	49	150	No
MCQ12P04A	SOP-8	P	-40	-12	0.021	±20	2	-1	-2.5	2500	64	150	No
MCQD08P04	SOP-8	P+P	-40	-8	0.05	±20	1.6	-1	-2.5	1045	36	150	No
MCQD09P04	SOP-8	P+P	-40	-9	0.023	±20	1.7	-1	-2.5	3302	64	150	No
MCQ072P06L	SOP-8	P	-60	-3.5	0.072	±20	1.73	-1	-2	1175	24	150	No
MCQ07P06Y	SOP-8	P	-60	-7	0.047	±20	3.1	-1.3	-2.5	1052	90	150	No
MCQD08P06Y	SOP-8	P+P	-60	-8	0.085	±20	1.9	-1	-2.5	505	24	150	No
MCQD08P06YA	SOP-8	P+P	-60	-8	0.075	±20	1.6	-1	-2.5	500	24	150	No
MCQ095P10	SOP-8	P	-100	-3.1	0.095	±20	1.9	-1.5	-2.5	2100	64	150	No
MCQ05P10Y	SOP-8	P	-100	-4.5	0.11	±20	1.6	-1	-2.5	1062	56	150	No
MCQ02P15	SOP-8	P	-150	-2	0.31	±20	2.5	-1	-3.5	926	25	150	No
MCS2305B	TSSOP-8	P	-20	-8.2	-	±8.0	1.04	-0.55	-0.9	5592	50	150	No
MCT03N06	SOT-223	N	60	3	0.1	±20	2.1	0.5	2	443	-	150	No
MCT04N06	SOT-223	N	60	4	0.088	±20	2	0.9	2	501	-	150	No
MCT05N06	SOT-223	N	60	5	0.035	±20	2.1	1	2.5	1173	-	150	No
MCT04N10A	SOT-223	N	100	4	0.11	±20	2.5	1.1	3	926	-	150	No
MCT04N10B	SOT-223	N	100	4	0.105	±20	1.5	1.1	3	1145	16	150	No
MCT04N15	SOT-223	N	150	4	0.16	±20	1.9	1.5	2.5	1392	1.6	150	No
MCT15P02	SOT-223	P	-20	-15	-	±10	2.1	-0.5	-0.9	1547	16	150	No
MCT06P03	SOT-223	P	-30	-6	0.055	±20	2.1	-1	-2.5	502	-	150	No
MCT04P06	SOT-223	P	-60	-3.5	0.08	±20	2	-1	-3	1495	30	150	No
MCT072P06L	SOT-223	P	-60	-3.5	0.072	±20	1.7	-1	-2	1190	-	150	No
MCT04P06Y	SOT-223	P	-60	-4	0.085	±20	2	-1	-2.5	505	24	150	No

Power MOSFETs

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Static Drain-Source On-Resistance	Gate Source Voltage	Power Rating	Gate Threshold Voltage	Gate Threshold Voltage	Input Capacitance	Single Pulse Avalanche Energy	Operating Junction Temperature	ESD Diodes (Y/N)
			V_{DS} (V)	I_D (A)	$R_{DS(ON)}$ (Ω) @10V	V_{GS} (V)	P_D (W)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	C_{iss} (pF)	E_{AS} (mj)	T_j (°C)	
MCT055P06Y	SOT-223	P	-60	-5	0.055	±20	1	-1.5	-3	1050	-	150	No
MCT06P10	SOT-223	P	-100	-6	0.205	±20	2.1	-1.2	-2.8	1707	-	150	Yes
MCT08P10Y	SOT-223	P	-100	-8	0.11	±20	2.2	-1	-2.5	1080	-	150	No
MCTL1D4N04YL	TOLL-8L	N	40	210	0.0014	±20	113	1.3	2.3	6140	600	150	No
MCTL270N04Y	TOLL-8L	N	40	270	0.0013	±20	468	2	4	8010	1521	175	No
MCTLD58N04Y	TOLL-8L	N	40	639	0.00058	±20	429	2	4	19547	2964	175	No
MCTL170N06Y	TOLL-8L	N	60	170	0.0024	±20	182	2	4	3667	380	175	No
MCTL1D6N06YH	TOLL-8L	N	60	245	0.0016	±20	167	2	4	7331	100	150	No
MCTL2D0N06YH	TOLL-8L	N	60	250	0.002	±20	240	2.2	3.8	4772	576	150	No
MCTL295N06Y	TOLL-8L	N	60	295	0.002	±20	313	1.5	4	8350	1690	150	No
MCTL1D0N08Y	TOLL-8L	N	80	320	0.001	±20	416	2	4	13030	2401	175	No
MCTL2D4N10Y	TOLL-8L	N	100	185	0.0024	±20	180	2	4	7076	676	175	No
MCTL1D9N10YH	TOLL-8L	N	100	265	0.0019	±20	375	2.2	3.8	9600	1482	175	No
MCTL2D1N10YH	TOLL-8L	N	100	265	0.0021	±20	375	2.2	3.8	9600	1482	175	No
MCTL1D4N10YH	TOLL-8L	N	100	300	0.0014	±20	297	2.5	4.5	10768	1800	150	No
MCTL2D0N10YHR	TOLL-8L	N	100	300	0.002	±20	333	2.2	3.8	6775	2025	175	No
MCTL300N10Y	TOLL-8L	N	100	300	0.00145	±20	500	2	4	13258	648	150	No
MCTL300N10YB	TOLL-8L	N	100	300	0.00155	±20	312	2.1	3.9	10051	2116	150	No
MCTL1D2N10Y	TOLL-8L	N	100	320	0.0012	±20	375	2	4	11558	2400	175	No
MCTL1D5N10YH	TOLL-8L	N	100	360	0.0015	±20	429	2	4	9660	2016	175	No
MCTL160N15Y	TOLL-8L	N	150	160	0.0065	±25	357	2	4	9440	200	150	No
MCTL4D6N15YH	TOLL-8L	N	150	176	0.0046	±20	357	2.2	3.8	5060	1200	175	No
MCTL4D0N15YH	TOLL-8L	N	150	190	0.004	±20	384	2.5	4.5	7046	900	175	No
MCTL80N20Y	TOLL-8L	N	200	80	0.013	±20	250	2	4	10387	1024	150	No
MCTL011N20YH	TOLL-8L	N	200	102	0.011	±20	300	2.2	3.8	3920	625	175	No
MCTT1D9N10YH	TOLT	N	100	272	0.0019	±20	312	2.2	3.8	9600	1225	175	No
MCTT1D7N10Y	TOLT	N	100	333	0.0017	±20	416	2	4	10692	2722	175	No
MCU30N02	DPAK	N	20	30	-	±10	30	0.45	1	1361	50	175	No
MCU60N02	DPAK	N	20	60	-	±10	43	0.4	1	1756	68	175	No
MCU50N03A	DPAK	N	30	50	0.0073	±20	50	1	2.2	1007	53	150	No
MCU80N03	DPAK	N	30	80	0.004	±20	71	0.8	2.5	2090	156	175	No
MCU80N03A	DPAK	N	30	80	0.0055	±20	45	1	2.5	1757	230	175	No
MCU2D5N03L	DPAK	N	30	180	0.0025	±20	105	1	2.5	4575	400	150	No
MCU60N04A	DPAK	N	40	60	0.007	±20	70	0.9	2	1990	100	150	No
MCU90N04Y	DPAK	N	40	90	0.0031	±20	83	2	4	2124	175	175	No
MCU120N04	DPAK	N	40	120	0.0035	±20	125	1	2.5	4336	272	150	No
MCU2D5N04YH	DPAK	N	40	130	0.0025	±20	125	2	4	4300	790	175	No
MCU052N06LK	DPAK	N	60	15	0.052	±20	34.7	1	2.5	545	30	150	Yes
MCU20N06A	DPAK	N	60	20	0.03	±20	40	1	2.5	1117	30	150	No
MCU20N06B	DPAK	N	60	20	0.045	±20	40	1	3	1117	30	150	No
MCU20N06C	DPAK	N	60	20	0.037	±20	125	1	2.5	821	24	150	No
MCU018N06L	DPAK	N	60	32	0.018	±20	41	1	2.5	2000	68	150	No
MCU50N06A	DPAK	N	60	50	0.015	±20	59.5	1	2.5	2515	72	150	No
MCU9D0N06YL	DPAK	N	60	56	0.009	±20	50	1	3	1390	73	175	No

Power MOSFETs

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Static Drain-Source On-Resistance	Gate Source Voltage	Power Rating	Gate Threshold Voltage	Gate Threshold Voltage	Input Capacitance	Single Pulse Avalanche Energy	Operating Junction Temperature	ESD Diodes (Y/N)
			V_{DS} (V)	I_D (A)	$R_{DS(ON)}$ (Ω) @10V	V_{GS} (V)	P_D (W)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	C_{iss} (pF)	E_{AS} (mj)	T_j (°C)	
MCU60N06	DPAK	N	60	60	0.011	±20	83	2	4	2220	130	150	No
MCU75N06Y	DPAK	N	60	75	0.0048	±20	100	1	2.5	1698	144	175	No
MCU80N06	DPAK	N	60	80	0.013	±20	85	1	2.4	2498	290	175	No
MCU80N06A	DPAK	N	60	80	0.0075	±20	94	1.2	2	1957	150	175	No
MCU90N06A	DPAK	N	60	90	0.0072	±20	110	1	2.5	5377	196	150	No
MCU95N06KY	DPAK	N	60	95	0.0055	±20	156	1	2.5	4050	256	150	Yes
MCU110N06YA	DPAK	N	60	110	0.0044	±20	89	1.2	2.5	5233	722	150	No
MCU110N06YB	DPAK	N	60	110	0.005	±20	83	2	4	4086	722	150	No
MCU110N08Y	DPAK	N	80	110	0.0056	±20	83	1.4	2.5	5200	361	150	No
MCU15N10A	DPAK	N	100	15	0.11	±20	50	1.1	3	1122	9	175	No
MCU15N10B	DPAK	N	100	15	0.09	±20	41	1.2	2.5	1150	20	150	No
MCU20N10	DPAK	N	100	20	0.048	±20	78	1.1	3	2097	10	150	No
MCU20N10A	DPAK	N	100	20	0.045	±20	47	1.2	2.5	2258	16	150	No
MCU031N10Y	DPAK	N	100	24	0.031	±20	42.8	2	4	470	36	175	No
MCU45N10	DPAK	N	100	45	0.017	±20	72	1	3	1165	81	150	No
MCU011N10YL	DPAK	N	100	55	0.011	±20	83	1	3	1380	77	175	No
MCU012N10YL	DPAK	N	100	55	0.012	±20	73	1	3	1812	82	150	No
MCU9D1N10Y	DPAK	N	100	56	0.0091	±20	62.5	1.5	2.9	2120	110	175	No
MCU65N10Y	DPAK	N	100	65	0.0086	±20	96	1.3	2.5	2330	169	150	No
MCU65N10YA	DPAK	N	100	65	0.0095	±20	96	2	4	2270	182	150	No
MCU7D6N10YL	DPAK	N	100	75	0.0076	±20	104	1.3	2.5	2440	169	150	No
MCU7D5N10YL	DPAK	N	100	80	0.0075	±20	104	1.1	2.5	2850	231	150	No
MCU5D8N10YL	DPAK	N	100	100	0.0058	±20	113	1	2.5	4010	282	150	No
MCU010N12Y	DPAK	N	120	88	0.01	±20	208	1	3	4700	380	150	No
MCU062N15YH	DPAK	N	150	18	0.062	±20	62	2	4	785	6.6	150	No
MCU20N15A	DPAK	N	150	20	0.059	±20	50	2	4	1158	-	150	No
MCU019N15YH	DPAK	N	150	55	0.019	±20	150	2	4	2530	256	175	No
MCU05N20A	DPAK	N	200	5	0.6	±20	90	2	4	222	64	150	No
MCU05N20B	DPAK	N	200	5	0.55	±20	78	2	4	333	50	150	No
MCU09N20	DPAK	N	200	9	0.25	±30	83	1	3	541	72	150	No
MCU09N20A	DPAK	N	200	9	0.3	±20	104.2	1	2	488	142	150	No
MCU18N20A	DPAK	N	200	18	0.15	±20	83.3	2	4	894	286	150	No
MCU01N60A	DPAK	N	600	1.3	9	±30	37.8	3	4.2	125	7.2	150	No
MCU05N60A	DPAK	N	600	4.5	2.5	±30	96	2	4	555	210	150	No
MCU20P03	DPAK	P	-30	-20	0.017	±20	35.7	-1	-2	1385	84.5	150	No
MCU014P03L	DPAK	P	-30	-40	0.014	±20	83	-1	-2.5	1220	49	150	No
MCU45P03A	DPAK	P	-30	-45	0.008	±25	62.5	-1.2	-2.8	5091	256	150	No
MCU45P03B	DPAK	P	-30	-45	0.007	±20	78	-0.9	-2.5	3574	132	150	No
MCU6D0P03L	DPAK	P	-30	-70	0.006	±25	83	-1.2	-2.6	3530	232	150	No
MCU45P04A	DPAK	P	-40	-45	0.02	±20	73	-1	-2.5	2539	132	150	No
MCU45P04B	DPAK	P	-40	-45	0.014	±20	56	-1	-2.3	3433	264	150	No
MCU50P04A	DPAK	P	-40	-50	0.015	±20	83	-1	-2.5	3302	100	150	No
MCU60P04A	DPAK	P	-40	-60	0.01	±20	69	-1	-2.5	4766	100	150	No
MCU65P04	DPAK	P	-40	-65	0.014	±20	96	-1	-2.5	3354	132	150	No

Power MOSFETs

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Static Drain-Source On-Resistance	Gate Source Voltage	Power Rating	Gate Threshold Voltage	Gate Threshold Voltage	Input Capacitance	Single Pulse Avalanche Energy	Operating Junction Temperature	ESD Diodes (Y/N)
			V_{DS} (V)	I_D (A)	$R_{DS(ON)}$ (Ω) @10V	V_{GS} (V)	P_D (W)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	C_{iss} (pF)	E_{AS} (mj)	T_j (°C)	
MCU12P06Y	DPAK	P	-60	-12	0.085	±20	30	-1	-2.5	505	35	150	No
MCU055P06L	DPAK	P	-60	-19	0.055	±20	43	-1.2	-2.8	1463	49	175	No
MCU045P06YL	DPAK	P	-60	-23	0.045	±20	50	-1	-2.5	946	56	175	No
MCU30P06Y	DPAK	P	-60	-30	0.055	±20	73	-1.5	-2.7	1057	49	150	No
MCU40P06	DPAK	P	-60	-40	0.025	±20	104	-1	-3	1533	55	150	No
MCU40P06Y	DPAK	P	-60	-40	0.029	±20	83	-1	-2.5	1491	70	150	No
MCU50P06Y	DPAK	P	-60	-50	0.012	±20	89	-1	-3	4600	169	150	No
MCU60P06	DPAK	P	-60	-60	0.018	±20	187	-2	-3.5	6625	289	150	No
MCU013P06L	DPAK	P	-60	-70	0.013	±20	136	-1.2	-2.4	4845	150	175	No
MCU80P06Y	DPAK	P	-60	-80	0.0084	±20	125	-2	-4	5332	400	150	No
MCU12P10	DPAK	P	-100	-12	0.2	±20	40	-1	-3	1055	110	150	Yes
MCU18P10Y	DPAK	P	-100	-18	0.11	±20	70	-1	-2.5	1050	100	150	No
MCU085P10	DPAK	P	-100	-20	0.085	±20	104	-1.5	-2.5	2070	81	150	No
MCU20P10	DPAK	P	-100	-20	0.116	±20	70	-1	-3	2100	225	150	Yes
MCU055P10	DPAK	P	-100	-28	0.055	±20	89	-1.5	-2.5	3480	118	150	No
MCU28P10Y	DPAK	P	-100	-28	0.058	±20	96	-1	-2.5	2077	110	150	No
MCU10P15	DPAK	P	-150	-10	0.31	±20	69	-1	-3.5	926	36	150	No
MCU150P15YL	DPAK	P	-150	-13	0.15	±20	56.8	-1	-2.5	830	59	150	No
MCB95N04Y	D2-PAK	N	40	95	0.003	±20	83	2	4	2138	156	175	No
MCB160N04Y	D2-PAK	N	40	160	0.00185	±20	150	1	2.5	7040	625	150	No
MCB220N04Y	D2-PAK	N	40	220	0.0015	±20	250	2	4	7864	900	175	No
MCB80N06Y	D2-PAK	N	60	80	0.0055	±20	125	1	2.5	1677	145	175	No
MCB85N06Y	D2-PAK	N	60	85	0.013	±20	85	1	2.4	2498	290	150	No
MCB5D0N06YH	D2-PAK	N	60	90	0.005	±20	93.7	2	4	1550	132	175	No
MCB145N06Y	D2-PAK	N	60	145	0.0075	±20	91	1.2	2.5	1913	144	150	No
MCB150N06KY	D2-PAK	N	60	150	0.0035	±20	147	1	2.5	4258	441	150	Yes
MCB200N06Y	D2-PAK	N	60	200	0.0029	±20	260	1.2	2.2	5200	500	150	No
MCB200N06YA	D2-PAK	N	60	200	0.0032	±20	260	2.2	3.8	4110	506	150	No
MCB200N06YB	D2-PAK	N	60	200	0.0029	±20	260	1.2	2.2	5450	506	150	No
MCB120N08Y	D2-PAK	N	80	120	0.0045	±20	208	2	4	5112	506	150	No
MCB118N085Y	D2-PAK	N	85	118	0.006	±20	156	2	4	4140	380	150	No
MCB55N10YA	D2-PAK	N	100	55	0.02	±20	69	2	4	1199	144	150	No
MCB011N10YL	D2-PAK	N	100	63	0.011	±20	100	1	3	1404	100	175	No
MCB70N10YA	D2-PAK	N	100	70	0.0086	±20	125	1	3	2298	200	150	No
MCB70N10YB	D2-PAK	N	100	70	0.0086	±20	125	2	4	2365	200	150	No
MCB8D3N10YH	D2-PAK	N	100	75	0.0083	±20	100	2	4	1385	156	175	No
MCB130N10YA	D2-PAK	N	100	130	0.0046	±20	250	2	4	4370	289	150	No
MCB130N10YB	D2-PAK	N	100	130	0.005	±20	192	1	2.5	4450	360	150	No
MCB3D9N10YHR	D2-PAK	N	100	140	0.0039	±20	246	2	4	4673	506	175	No
MCB2D7N10YH	D2-PAK	N	100	170	0.0027	±20	214	2.2	3.8	9440	900	175	No
MCB180N10Y	D2-PAK	N	100	180	0.0033	±20	250	2	4	8996	1568	150	No
MCB3D0N10Y	D2-PAK	N	100	190	0.003	±20	230	2	4	7076	600	175	No
MCB2D5N10Y	D2-PAK	N	100	246	0.0025	±20	56.8	2	4	10730	1440	175	No
MCB2D8N10YHR	D2-PAK	N	100	250	0.0028	±20	375	2.3	3.7	5650	1225	175	No

Power MOSFETs

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Static Drain-Source On-Resistance	Gate Source Voltage	Power Rating	Gate Threshold Voltage	Gate Threshold Voltage	Input Capacitance	Single Pulse Avalanche Energy	Operating Junction Temperature	ESD Diodes (Y/N)
			V_{DS} (V)	I_D (A)	$R_{DS(ON)}$ (Ω) @10V	V_{GS} (V)	P_D (W)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	C_{iss} (pF)	E_{AS} (mj)	T_j (°C)	
MCB90N12	D2-PAK	N	120	90	0.0072	±20	260	2	4	4514	306	150	No
MCB90N12A	D2-PAK	N	120	90	0.009	±20	139	1	3	4604	400	150	No
MCB70N15Y	D2-PAK	N	150	70	0.017	±20	180	2	4	2517	220	175	No
MCB7D2N15YH	D2-PAK	N	150	113	0.0072	±20	230	2.4	3.6	6280	400	175	No
MCB6D5N15YH	D2-PAK	N	150	115	0.0065	±20	227	2	4	7500	784	150	No
MCB220N15Y	D2-PAK	N	150	220	0.0065	±20	312.5	2	4	9177	500	150	No
MCB2D4P04YL	D2-PAK	P	-40	-130	0.0024	±20	227	-1	-2.5	11266	1225	150	No
MCB110P06Y	D2-PAK	P	-60	-110	0.0084	±20	125	-2	-3.5	5352	625	150	No
MCB40P10Y	D2-PAK	P	-100	-40	0.056	±20	125	-1	-2.5	2087	132	150	No
MCBS220N04Y	TO-263-7	N	40	220	0.0011	±20	188	2	4	7967	760	175	No
MCBS260N10Y	TO-263-7	N	100	260	0.0018	±20	375	2	4	10589	1122	175	No
MCP3D2N10YH	TO-220AB(B)	N	100	190	0.0032	±20	230	2	4	7076	632	175	No
MCP2D5N10Y	TO-220AB(B)	N	100	252	0.0025	±20	300	2	4	10700	1440	175	No
MCP7D4N15Y	TO-220AB(B)	N	150	119	0.0074	±20	223	2	4	6280	380	150	No
MCP012N20YH	TO-220AB(B)	N	200	95	0.012	±20	288	2	4	3920	470	175	No
MCP2D0N04YL	TO-220AB(H)	N	40	180	0.002	±20	312	1	2.5	7400	864	150	No
MCP65N06	TO-220AB(H)	N	60	65	0.011	±20	104	2	4	2220	125	150	No
MCP90N06Y	TO-220AB(H)	N	60	90	0.0075	±20	83	1	2.5	1949	141	150	No
MCP200N06Y	TO-220AB(H)	N	60	200	0.0032	±20	208	2	4	4110	506	150	No
MCP120N08Y	TO-220AB(H)	N	80	120	0.0048	±20	178	2	4	5223	702	150	No
MCP118N085Y	TO-220AB(H)	N	85	118	0.0065	±20	208	2	4	4150	351	150	No
MCP017N10Y	TO-220AB(H)	N	100	39	0.017	±20	52	2	4	1385	77	150	No
MCP75N10Y	TO-220AB(H)	N	100	75	0.0086	±20	156	2	4	2270	182	150	No
MCP9D0N10YH	TO-220AB(H)	N	100	79	0.009	±20	115	2	4	1668	132	175	No
MCP130N10YA	TO-220AB(H)	N	100	130	0.0055	±20	250	2	4	4458	552	150	No
MCP130N10YB	TO-220AB(H)	N	100	130	0.0055	±20	250	1	2.5	4450	340	150	No
MCP2D6N10Y	TO-220AB(H)	N	100	240	0.0026	±20	208	2	4	13760	1625	150	No
MCP90N12A	TO-220AB(H)	N	120	90	0.009	±20	150	1	3	4513	441	150	No
MCP9D0N12YH	TO-220AB(H)	N	120	90	0.009	±20	147	2.2	3.8	4650	462	150	No
MCP70N15Y	TO-220AB(H)	N	150	70	0.02	±20	150	2	4	2508	168	175	No
MCP70N15YA	TO-220AB(H)	N	150	70	0.021	±20	136	3	5	2511	192	175	No
MCP012N15YH	TO-220AB(H)	N	150	82	0.012	±20	178	2	4	3750	400	150	No
MCP18N20A	TO-220AB(H)	N	200	18	0.15	±20	179	2	4	877	330	150	No
MCP80P06Y	TO-220AB(H)	P	-60	-80	0.0084	±20	89	-2	-3.5	5322	729	150	No
MCP60P06	TO-220AB(H)	P	-60	-60	0.018	±20	130	-2	-3.5	6504	722	175	No
MCP056P10YL	TO-220AB(H)	P	-100	-27	0.056	±20	83	-1	-2.5	2166	110	150	No
MCPF90N12A	TO-220F	N	120	90	0.009	±20	78	1	3	4604	441	150	No
MCPF065N15YH	TO-220F	N	150	15	0.065	±20	41	2	4	785	6.6	150	No
MCPF18N20A	TO-220F	N	200	18	0.15	±20	36	2	4	877	330	150	No
MCPF80P06Y	TO-220F	P	-60	-80	0.01	±20	83	-2	-4	5415	729	150	No
MCW200N10YA	TO-247	N	100	200	0.0027	±20	375	2	4	10051	705	175	No
MCW220N10Y	TO-247	N	100	220	0.0024	±20	375	2	4	10051	902	175	No
MCW099N60SH	TO-247	N	600	30.5	0.103	±30	236	2.5	4.5	2224	16	150	No

Super Junction MOSFETs

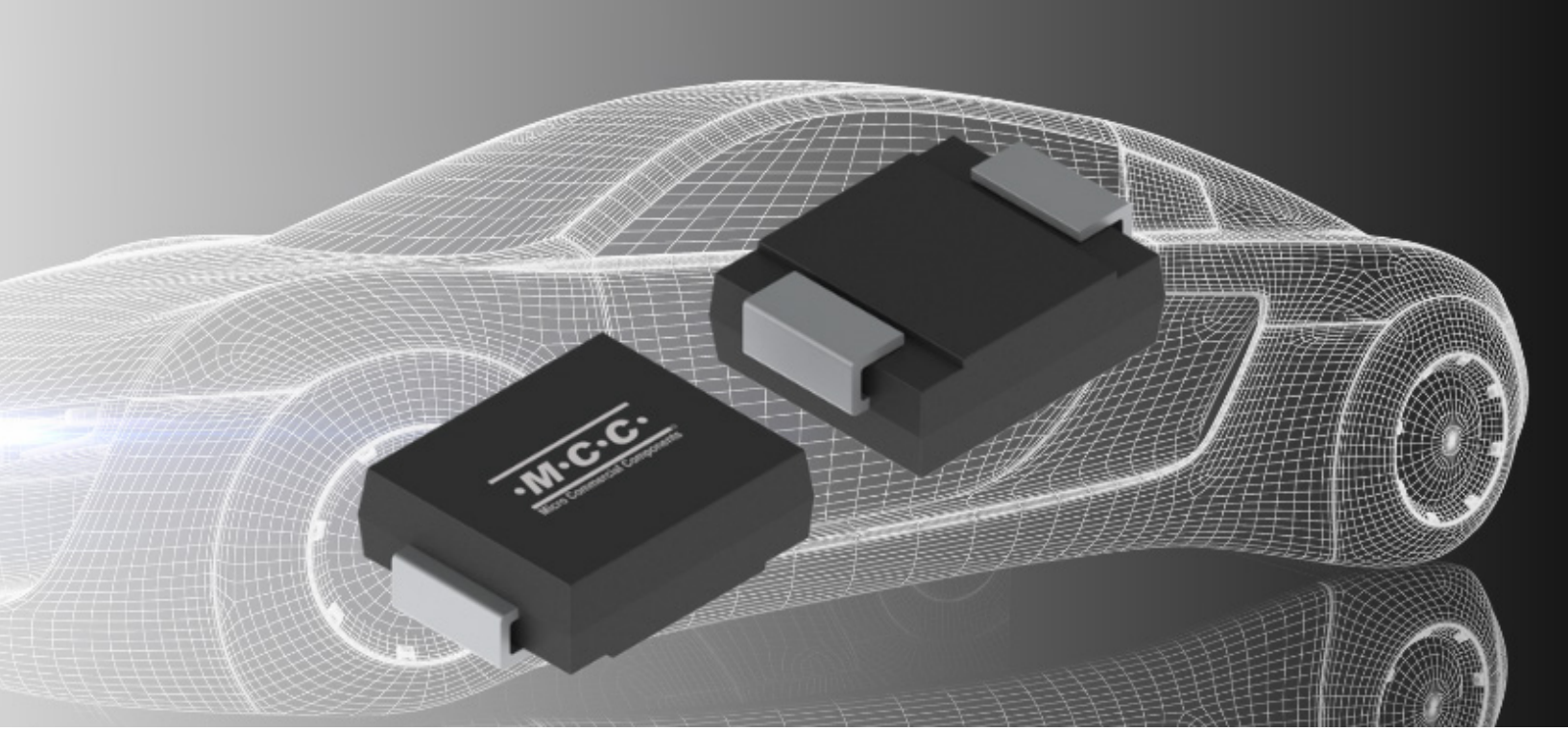
Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Static Drain-Source On-Resistance	Gate Source Voltage	Power Rating	Gate Threshold Voltage	Gate Threshold Voltage	Input Capacitance	Single Pulse Avalanche Energy	Operating Junction Temperature	ESD Diodes (Y/N)
			V_{DS} (V)	I_D (A)	$R_{DS(ON)}$ (Ω) @10V	V_{GS} (V)	P_D (W)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	C_{iss} (pF)	E_{AS} (mj)	T_j (°C)	
MSJAC11N50B	DFN5060	N	500	11	0.42	±30	83	2	4	728	80	150	No
SL01N65	SOT-23-3L	N	650	1	11	±30	1.6	2	4	34	-	150	No
MCB075N60SH	D2-PAK	N	600	23	0.078	±30	106	3	5	3202	132	150	No
MSJL120N60FH	DFN8080A	N	600	30	0.12	±30	266	3	5	2240	18	150	No
MSJL20N60A	DFN8080A	N	600	20	0.219	±30	178	2	4	1468	120	150	No
MCU600N60SH	DPAK	N	600	6.3	0.613	±30	52	2.5	4.5	392	54	150	No
MSJPFR20N60	TO-220AB(H)	N	600	17.9	0.204	±30	138	3	5	1240	160	150	No
MSJPFFR20N60	TO-220F	N	600	12.3	0.204	±30	62.5	3	5	1240	160	150	No
MCW070N60SH	TO-247	N	600	38	0.07	±30	260	2.5	4.5	3146	56	150	No
MCW075N60FH	TO-247	N	600	41	0.078	±30	312.5	3	5	3202	132	150	No
MCW105N60FH	TO-247	N	600	30.6	0.114	±30	240	3	5	2240	42.25	150	No
MSJW47N60A	TO-247	N	600	47	0.091	±30	278	2	4	4476	300	150	No
MSJWFR60N60	TO-247AB(E)	N	600	58	0.035	±30	223	3	5	8078	2371	150	No
MCTK075N60FH	TOLL-8L-KS	N	600	19.5	0.078	±30	88	3	5	3202	132	150	No
MCTK105N60FH	TOLL-8L-KS	N	600	17.5	0.114	±30	107	3	5	2240	365	150	No
MSJB14N65A	D2-PAK	N	650	14	0.4	±30	139	2	4	750	100	150	No
MSJAC11N65B	DFN5060	N	650	11	0.38	±30	89	2	4	768	30	150	No
MCU600N65SH	DPAK	N	650	6.6	0.613	±30	59.5	2.5	4.5	411	34	150	No
MCU655N65FH	DPAK	N	650	7	0.672	±30	73.5	3	5	412.5	2.88	150	No
MDTU380N65H	DPAK	N	650	8.7	0.38	±30	73	2.2	3.8	625	93.75	150	No
MSJU07N65A	DPAK	N	650	7	0.6	±30	78	2	4	529	90	150	No
MSJU11N65A	DPAK	N	650	11	0.396	±30	83	2	4	774	142	150	No
MCT01N65	SOT-223	N	650	1	11	±30	2	2	4	34	-	150	No
MCT01N65K	SOT-223	N	650	1	11	±30	2	2	4	34	-	150	Yes
MSJP11N65A	TO-220	N	650	11	0.396	±30	83	2	4	774	142	150	No
MSJP09N65A	TO-220AB(H)	N	650	9	0.96	±30	113	2	4	383	70	150	No
MSJP14N65A	TO-220AB(H)	N	650	14	0.31	±30	147	2	4	1038	88	150	No
MSJP20N65A	TO-220AB(H)	N	650	20	0.19	±30	73.5	2	4	1750	303	150	No
MCPF180N65SH	TO-220F	N	650	8.8	0.186	±30	48	2.5	4.5	1240	138	150	No
MSJPF11N65	TO-220F	N	650	11	0.408	±30	31.3	2.5	4	901	211	150	No
MSJPF11N65A	TO-220F	N	650	11	0.396	±30	31.3	2	4	774	142	150	No
MSJPF20N65A	TO-220F	N	650	20	0.19	±30	39	2	4	1750	303	150	No
MSJW20N65A	TO-247	N	650	20	0.19	±30	250	2	5	1740	485	150	No
MSJB06N80A	D2-PAK	N	800	6	1.2	±30	125	2.5	4.5	386	50	150	Yes
MSJB11N80A	D2-PAK	N	800	11	0.47	±20	156	2.5	4.5	958	142	150	Yes
MSJB17N80	D2-PAK	N	800	17	0.29	±30	180	2	4	1860	300	150	No
MCU450N80SHK	DPAK	N	800	12	0.468	±20	166	2.5	4.5	924	2.7	150	Yes
MSJU04N80A	DPAK	N	800	4.5	1.3	±20	88	2.5	4.5	386	50	150	Yes
MSJU06N80A	DPAK	N	800	6	0.95	±20	56.8	2.5	4.5	502	39.5	150	Yes
MSJP11N80A	TO-220	N	800	11	0.47	±20	250	2.5	4.5	918	142	150	Yes
MSJP06N80A	TO-220AB(H)	N	800	6	1.2	±30	96	2.5	4.5	349	54	150	Yes
MSJP07N80A	TO-220AB(H)	N	800	7	0.95	±20	104	2.5	4.5	502	32	150	Yes
MCPF650N80SHK	TO-220F	N	800	6	0.66	±20	57.5	2.5	4.5	660	8.6	150	Yes
MSJPF06N80A	TO-220F	N	800	6	1.2	±30	50	2.5	4.5	349	54	150	Yes

Super Junction MOSFETs

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Static Drain-Source On-Resistance	Gate Source Voltage	Power Rating	Gate Threshold Voltage	Gate Threshold Voltage	Input Capacitance	Single Pulse Avalanche Energy	Operating Junction Temperature	ESD Diodes (Y/N)
			V_{DS} (V)	I_D (A)	$R_{DS(ON)}$ (Ω) @10V	V_{GS} (V)	P_D (W)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	C_{iss} (pF)	E_{AS} (mj)	T_j (°C)	
MSJPF07N80A	TO-220F	N	800	7	0.95	±20	78	2.5	4.5	502	32	150	Yes
MSJPF11N80A	TO-220F	N	800	11	0.47	±20	25	2.5	4.5	958	142	150	Yes
MCU5K0N90SH	DPAK	N	900	1.65	5.16	±30	25.3	2	4	148	3.1	150	No
MSJU05N90A	DPAK	N	900	5	1.49	±30	83	2	3.5	476	68	150	No
MCD5K0N90SH	SOT-223-2L	N	900	1	5.52	±30	10.8	2	4	148	3.1	150	No
MSJP08N90A	TO-220AB(H)	N	900	8	1.62	±30	113	2	4	476	81	150	No
MSJPF08N90A	TO-220F	N	900	8	1.3	±30	89	2	4	469	45	150	No
MCU1K4N95SH	DPAK	N	950	5	1.49	±30	83	2	4	456	66	150	No
MCPF1K4N95SH	TO-220F	N	950	3.4	1.49	±30	46.8	2	4	469	158	150	No

Wide SOA MOSFETs

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Static Drain-Source On-Resistance	Gate Source Voltage	Power Rating	Gate Threshold Voltage	Gate Threshold Voltage	Input Capacitance	Single Pulse Avalanche Energy	Operating Junction Temperature	ESD Diodes (Y/N)
			V_{DS} (V)	I_D (A)	$R_{DS(ON)}$ (Ω) @10V	V_{GS} (V)	P_D (W)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	C_{iss} (pF)	E_{AS} (mj)	T_j (°C)	
MCTL2D0N10YHR	TOLL-8L	N	100	300	0.002	±20	333	2.2	3.8	6775	2025	175	No
MCB2D8N10YHR	D2-PAK	N	100	250	0.0028	±20	375	2.3	3.7	5650	1225	175	No
MCB3D9N10YHR	D2-PAK	N	100	140	0.0039	±20	246	2	4	4673	506	175	No



Protection Devices

As electronic systems become smaller and more complex, protection from electrostatic discharge, transients, over-voltage, and EMI is more crucial than ever. MCC's selection of protection solutions safeguards sensitive automotive and industrial designs at the highest level while providing small footprints for design flexibility.

Protection Devices

PRODUCT

ESD Protection

APPLICATION

TVS

APPLICATION

Automotive Grade

Automotive ESD Protection

Part Number	Package	Protected Lines	Configuration	Reverse Standoff Voltage	Max. Peak Pulse Current	Max. Clamping Voltage	Max. Reverse Leakage	Breakdown Voltage		Peak Power Dissipation	Junction Capacitance	IEC61000-4-2 Air/Contact	Operating Junction Temperature
				V_{RWM}(V)	I_{PP}(A)	V_C (V)	I_R(uA)	V_{BR}(V) Min	V_{BR}(V) Max	P_{PK}(W)	C_J(pF)	V_{ESD}(kV)	T_J(°C)
ESDSBULC3V3LBQ	DFN1006-2	1	Bidirectional	3.3	4	7	0.05	7	-	28	0.45	±15	150
ESDSLC5V0LBHE3	DFN1006-2	1	Bidirectional	5	4	20	0.5	6	9	80	0.35	±20/±15	125
ESDSBULC18VLBQ	DFN1006-2	1	Bidirectional	18	4	9	0.05	18.5	-	36	0.45	±15	150
ESDSBULC24VLBQ	DFN1006-2	1	Bidirectional	24	4	9	0.05	25	32	36	0.45	±15	150
ESDULC3V3LBHE3	DFN1006-2L	1	Bidirectional	3.3	4	20	0.1	4.8	7	80	0.65	±16	150
ESDL3V3LBHE3	DFN1006-2L	1	Bidirectional	3.3	8	9	0.1	4.5	6.5	60	25	±30	150
ESDSB3V3LBHE3	DFN1006-2L	1	Bidirectional	3.3	9	10	1	3.5	6	90	25	±30	150
ESDHSB3V3LBHE3	DFN1006-2L	1	Bidirectional	3.3	14	10	1	3.7	5	140	50	±30	150
ESDULC5V0LBHE3	DFN1006-2L	1	Bidirectional	5	4	25	0.1	6	9.5	100	0.6	±16	150
ESDSB5V0LBHE3	DFN1006-2L	1	Bidirectional	5	7	10	1	5.7	8	70	20	±30	150
ESDLC5V0LBHE3	DFN1006-2L	1	Bidirectional	5	8	10	0.1	6	8	80	15	±30	150
ESDHSB5V0LBHE3	DFN1006-2L	1	Bidirectional	5	11	11	1	5.7	8	121	40	±30	150
ESD7V0LBHE3	DFN1006-2L	1	Bidirectional	7	6	15	0.5	7.5	10.5	90	23	±30	150
ESD7V0LHE3	DFN1006-2L	1	Unidirectional	7	6	15	0.5	7.5	10.5	90	46	±30	150
ESDULC8V0LBHE3	DFN1006-2L	1	Bidirectional	8	3.5	26	0.2	9.5	11.5	90	0.5	±25/±20	125
ESDLC8V0LBHE3	DFN1006-2L	1	Bidirectional	8	8	18	0.2	9	-	140	10	±30	150
ESD12VLBHE3	DFN1006-2L	1	Bidirectional	12	5	30	0.5	13.5	16.5	150	12	±30	150
ESD12VLHE3	DFN1006-2L	1	Unidirectional	12	5	30	0.5	13.5	16.5	150	24	±30	150
ESDLC12VLBHE3	DFN1006-2L	1	Bidirectional	12	5	20	0.2	13.3	-	100	10	±30	150
ESD15VLBHE3	DFN1006-2L	1	Bidirectional	15	4	35	0.5	15.5	19.5	140	10	±30	150
ESD15VLHE3	DFN1006-2L	1	Unidirectional	15	4	35	0.5	15.5	19.5	140	20	±30	150
ESD24VLBHE3	DFN1006-2L	1	Bidirectional	24	3.5	45	0.5	25.5	29.5	150	8.5	±30	150
ESD24VLHE3	DFN1006-2L	1	Unidirectional	24	3.5	45	0.5	25.5	29.5	150	17	±30	150
ESD27VLBHE3	DFN1006-2L	1	Bidirectional	27	2.5	75	0.5	31	38	180	6.5	±30	150
ESD27VLHE3	DFN1006-2L	1	Unidirectional	27	2.5	75	0.5	31	38	180	13	±8	150
ESD36VLBHE3	DFN1006-2L	1	Bidirectional	36	2.5	80	0.5	38	48	200	6	±30	150
ESD36VLHE3	DFN1006-2L	1	Unidirectional	36	2.5	80	0.5	38	48	200	12	±30	150
ESDSLC3V3LWFHE3	DFN1006-2L(SWF)	1	Unidirectional	3.3	4	20	0.2	6	8.5	60	0.6	±20	150
ESDULC3V3LBWFHE3	DFN1006-2L(SWF)	1	Bidirectional	3.3	4	20	0.2	6	9.5	60	0.35	±20	150
ESDULC5V0LBWFHE3	DFN1006-2L(SWF)	1	Bidirectional	5	3	20	0.2	6	8.5	50	0.25	±15/±8	150
ESDULC5V0LWFHE3	DFN1006-2L(SWF)	1	Unidirectional	5	3	20	0.2	6	8.5	50	0.35	±15/±8	150
ESDSLC5V0LWFHE3	DFN1006-2L(SWF)	1	Unidirectional	5	4	20	0.2	6	8.5	60	0.6	±20	150
ESDULC5V0PUBWFHE3	DFN1110-3(SWF)	2	Bidirectional	5	4	14	0.2	6	-	56	0.3	±30	125
ESDSBLC24VPUBWFHE3	DFN1110-3(SWF)	2	Bidirectional	24	5	34	0.2	26.5	-	170	5	±30	125
ESDSLC0524DFN10HE3	DFN-10	4	Unidirectional	5	5	13	0.1	6	9	60	0.9	±25/±20	125
ESDSBLC2424P5WFHE3	DFN2510-10(SWF)	4	Bidirectional	24	5	35	0.2	26.5	36	170	9	±30	125
ESDL3V3D3BHE3	SOD-323	1	Bidirectional	3.3	9	10	1	3.5	6	90	25	±30	150
ESDL5V0D3BHE3A	SOD-323	1	Bidirectional	5	7	10	1	5.8	8	70	20	±30	150
ESD5V0D3HE3	SOD-323	1	Unidirectional	5	20	15	1	6.2	7.5	300	160	±30	150
ESDSB5V0D3BHE3	SOD-323	1	Bidirectional	5	24	17	1	6	-	400	100	±30	150
ESDH5V0D3HE3	SOD-323	1	Unidirectional	5	30	20	1	6.2	7.5	600	220	±30	150
ESD12VD3BHE3	SOD-323	1	Bidirectional	12	10	28	1	13.3	-	280	50	±30	150
ESD12VD3HE3	SOD-323	1	Unidirectional	12	10	28	1	13.3	16.5	280	70	±30	150
ESD1524D3BHE3A	SOD-323	1	Asymmetric	15	5	35	0.05	17.1	20.3	160	30	±30	150

Automotive ESD Protection

Automotive Grade

Part Number	Package	Protected Lines	Configuration	Reverse Standoff Voltage	Max. Peak Pulse Current	Max. Clamping Voltage	Max. Reverse Leakage	Breakdown Voltage		Peak Power Dissipation	Junction Capacitance	IEC61000-4-2 Air/Contact	Operating Junction Temperature
				V_{RWM}(V)	I_{PP}(A)	V_C (V)	I_R(uA)	V_{BR}(V) Min	V_{BR}(V) Max	P_{PK}(W)	C_J(pF)	V_{ESD}(kV)	T_J(°C)
ESD15VD3BHE3	SOD-323	1	Bidirectional	15	5	28.5	1	16.7	-	250	45	±30	150
ESD15VD3HE3	SOD-323	1	Unidirectional	15	8	35	1	16.5	19	250	55	±30	150
ESD24VD3BHE3	SOD-323	1	Bidirectional	24	7	44	1	26.7	-	300	40	±30	150
ESD24VD3HE3	SOD-323	1	Unidirectional	24	7	44	1	26.7	-	300	50	±30	150
ESD27VD3BHE3	SOD-323	1	Bidirectional	27	4	65	0.5	28.5	-	260	20	±30	150
ESD36VD3BHE3	SOD-323	1	Bidirectional	36	5	75	1	40	-	350	35	±30	150
ESD36VD3HE3	SOD-323	1	Unidirectional	36	5	75	1	40	44	350	35	±30	150
ESDL3V3D5BHE3	SOD-523	1	Bidirectional	3.3	9	10	1	3.5	6	90	25	±30	150
ESDSBL5V0D5BHE3	SOD-523	1	Bidirectional	5	7	10	1	5.7	8	70	20	±30	150
ESD5V0D5HE3	SOD-523	1	Unidirectional	5	20	15	1	6.2	7.5	300	160	±30	150
ESD12VD5HE3	SOD-523	1	Unidirectional	12	10	28	1	13.3	16.5	280	70	±30	150
ESD15VD5HE3	SOD-523	1	Unidirectional	15	8	35	1	16.5	19	250	55	±30	150
ESD24VD5HE3	SOD-523	1	Unidirectional	24	7	44	1	26.7	-	300	50	±30	150
ESD36VD5HE3	SOD-523	1	Unidirectional	36	5	75	1	40	44	350	24	±30	150
ESD3V3T2BHE3	SOT-23	2	Bidirectional	3.3	25	16	0.5	5	7	400	100	±30	150
ESDSLC5V0T2HE3	SOT-23	2	Unidirectional	5	4	25	0.1	5.8	9.5	100	0.9	±16	150
ESDULC5V0T2BHE3	SOT-23	2	Bidirectional	5	4	25	0.1	5.8	9.5	100	0.4	±16	150
ESD5V0ET2HE3	SOT-23	2	Unidirectional	5	20	15	1	6.2	7.5	300	160	±30	150
ESD5V0T2HE3	SOT-23	2	Unidirectional	5	20	15	1	6.2	7.5	300	160	±30	150
ESDSB5V0T2BHE3	SOT-23	2	Bidirectional	5	24	17	1	6	7.5	400	100	±30	150
ESD7V0T2BHE3	SOT-23	2	Bidirectional	7	17	15	0.5	7.5	10	255	63	±30	150
MMBZ15VAQ	SOT-23	2	Unidirectional	12	1.9	21	0.05	14.25	15.75	40	95	±30	150
MMBZ15VCQ	SOT-23	2	Unidirectional	12	1.9	21	0.05	14.25	15.75	40	95	±30	150
ESD12VET2HE3	SOT-23	2	Unidirectional	12	10	28	1	13.1	16.5	280	70	±30	150
ESD12VT2BHE3	SOT-23	2	Bidirectional	12	10	30	0.1	13.5	16.7	300	35	±30	150
ESD12VT2HE3	SOT-23	2	Unidirectional	12	10	28	1	13.1	16.5	280	70	±30	150
MMBZ16VAQ	SOT-23	2	Unidirectional	13	1.7	23	0.05	15.2	16.8	40	89	±30	150
MMBZ16VCQ	SOT-23	2	Unidirectional	13	1.7	23	0.05	15.2	16.8	40	89	±30	150
MMBZ18VAQ	SOT-23	2	Unidirectional	14.5	1.6	25	0.05	17.1	18.9	40	79	±30	150
MMBZ18VCQ	SOT-23	2	Unidirectional	14.5	1.6	25	0.05	17.1	18.9	40	79	±30	150
ESD15VET2HE3	SOT-23	2	Unidirectional	15	8	35	1	16.1	19	280	55	±30	150
ESD15VT2HE3	SOT-23	2	Unidirectional	15	8	35	1	16.1	19	280	55	±30	150
ESD15VT2BHE3	SOT-23	2	Bidirectional	15	9	30	0.5	16	19	270	26	±30	150
SM15BHE3	SOT-23	2	Bidirectional	15	10	35	0.2	16.7	21	350	35	±30	125
MMBZ20VAHE3	SOT-23	2	Unidirectional	17	1.4	28	0.05	19	21	40	-	±30	150
MMBZ20VCHE3	SOT-23	2	Unidirectional	17	1.4	28	0.05	19	21	40	-	±30	150
MMBZ27VAHE3	SOT-23	2	Unidirectional	22	1	40	0.05	25.65	28.35	40	-	±30	150
MMBZ27VCHE3	SOT-23	2	Unidirectional	22	1	40	0.05	25.65	28.35	40	-	±30	150
ESDSBLC24VT2BHE3	SOT-23	2	Bidirectional	24	2.5	27	0.1	105	125	65	3.8	±30	150
ESDLC24VT2BHE3	SOT-23	2	Bidirectional	24	5	36	0.05	25.5	35.5	180	10	±30	150
SM24BHE3	SOT-23	2	Bidirectional	24	5	60	0.2	27	-	300	15	±30	125
ESD24VET2HE3	SOT-23	2	Unidirectional	24	7	44	1	26.7	-	300	50	±30	150
ESD24VT2BHE3	SOT-23	2	Bidirectional	24	7	44	0.1	26.2	32	308	30	±30	150
ESD24VT2HE3	SOT-23	2	Unidirectional	24	7	44	1	26.7	-	300	50	±30	150

Automotive Grade

Automotive ESD Protection

Part Number	Package	Protected Lines	Configuration	Reverse Standoff Voltage	Max. Peak Pulse Current	Max. Clamping Voltage	Max. Reverse Leakage	Breakdown Voltage		Peak Power Dissipation	Junction Capacitance	IEC61000-4-2 Air/Contact	Operating Junction Temperature
				V_{RWM}(V)	I_{PP}(A)	V_C (V)	I_R(uA)	V_{BR}(V) Min	V_{BR}(V) Max	P_{PK}(W)	C_J(pF)	V_{ESD}(kV)	T_J(°C)
HSM24BHE3	SOT-23	2	Bidirectional	24	8	48	0.1	26.3	30.3	384	32	±30	150
MMBZ33VAQ	SOT-23	2	Unidirectional	26	0.87	47	0.05	31.35	35.65	40	48	±30	150
MMBZ33VCQ	SOT-23	2	Unidirectional	26	0.87	47	0.05	31.35	35.65	40	48	±30	150
ESD27VT2BHE3	SOT-23	2	Bidirectional	27	6	70	0.5	31	38	420	13	±30	150
MMBZ39VAQ	SOT-23	2	Unidirectional	31.2	0.76	55	0.05	37.05	40.95	40	42	±30	150
MMBZ39VCQ	SOT-23	2	Unidirectional	31.2	0.76	55	0.05	37.05	40.95	40	42	±30	150
ESD36VET2HE3	SOT-23	2	Unidirectional	36	5	75	1	40	44.5	350	35	±30	150
ESD36VT2BHE3	SOT-23	2	Bidirectional	36	5	90	0.5	38	48	450	30	±30	150
ESD36VT2HE3	SOT-23	2	Unidirectional	36	5	75	1	40	44.5	350	35	±30	150

Automotive TVS

Automotive Grade

Part Number	Package	Uni/Bi	Peak Pluse Power Dissipation	Reverse Standoff Voltage	Peak Pulse Current	Max. Clamping Voltage	Breakdown Voltage		Reverse Leakage	Operating Junction Temperature
			P_{PK} (W)	V_{RWM}(V)	I_{PP}(A)	V_C (V)	V_{BR}(V) Min	V_{BR}(V) Max	I_R(uA)	T_J(°C)
SMHE5.0AHE3~SMHE90AHE3	SOD-323HE-B	Uni	150	5~90	1.03~16.3	9.2~146	6.4~100	7.07~111	1~400	150
SMF5.0AHE3~SMF100AHE3	SOD-123FL	Uni	200	5~100	1.1~21.7	9.2~162	6.4~111	7.07~123	1~400	150
SMF5.0AQ~SMF100AQ	SOD-123FL	Uni	200	5~100	1.23~21.74	9.2~162	6.4~111	7.07~123	1~400	175
SMF5.0CAQ~SMF100CAQ	SOD-123FL	Bi	200	5~100	1.23~21.74	9.2~162	6.4~111	7.07~123	1~400	175
SMAJ5.0AHE3~SMAJ90AHE3	SMA	Uni	400	5~190	1.3~43.4	9.2~308	6.4~211	7.07~232	1~800	175
SMAJ5.0CAHE3~SMAJ190CAHE3	SMA	Bi	400	5~190	1.3~43.4	9.2~308	6.4~211	7.07~232	1~800	175
SMAJ5.0AQ~SMAJ190AQ	SMA	Uni	400	5~190	1.3~43.4	9.2~307.8	6.4~211	7.07~232	1~800	175
SMAJ5.0CAQ~SMAJ190CAQ	SMA	Bi	400	5~190	1.3~43.4	9.2~307.8	6.4~211	7.07~232	1~800	175
SMAJP4KE12AHE3~SMAJP4KE220AHE3	SMA	Uni	400	10.2~185	1.2~24.6	16.7~328	11.4~209	12.6~231	1~5	175
SMAJP4KE12CAHE3~SMAJP4KE220CAHE3	SMA	Bi	400	10.2~185	1.2~24.6	16.7~328	11.4~209	12.6~231	1~5	175
SMAJP4KE6.8AQ~SMAJP4KE220AQ	SMA	Uni	400	5.8~185	1.2~38.1	10.5~328	6.46~209	7.14~231	1~1000	175
SMAJP4KE6.8CAQ~SMAJP4KE220CAQ	SMA	Bi	400	5.8~185	1.2~38.1	10.5~328	6.46~209	7.14~231	1~1000	175
SMAJP4KE250AQ~SMAJP4KE550AQ	SMA	Uni	400	214~470	0.53~1.16	344~759	237.5~522.5	262.5~577.5	1	175
SMAJP4KE250CAQ~SMAJP4KE550CAQ	SMA	Bi	400	214~470	0.53~1.16	344~759	237.5~522.5	262.5~577.5	1	175
SM4F6.0AHE3~SM4F100AHE3	SOD-123FL	Uni	400	6~100	2.5~38.8	9.2~162	6.67~111	7.37~123	1~800	150
SM4F6.0CAHE3~SM4F45CAHE3	SOD-123FL	Bi	400	6~45	5.5~38.8	10.3~72.7	6.67~50	7.37~55.3	1~800	150
SMBJ5.0AHE3~SMBJ190AHE3	SMB	Uni	600	5~190	1.9~65.2	9.2~307.8	6.4~211	7.07~232	1~800	175
SMBJ5.0CAHE3~SMBJ190CAHE3	SMB	Bi	600	5~190	1.9~65.2	9.2~307.8	6.4~211	7.07~232	1~800	175
SMBJ5.0AQ~SMBJ190AQ	SMB	Uni	600	5~190	2~65.2	9.2~307.8	6.4~211	7.07~232	1~800	175
SMBJ5.0CAQ~SMBJ190CAQ	SMB	Bi	600	5~190	2~65.2	9.2~307.8	6.4~211	7.07~232	1~800	175
SMBJP6KE12AHE3~SMBJP6KE220AHE3	SMB	Uni	600	10.2~185	1.9~36.5	16.7~328	11.4~209	12.6~231	1~5	175
SMBJP6KE12CAHE3~SMBJP6KE220CAHE3	SMB	Bi	600	10.2~185	1.9~36.5	16.7~328	11.4~209	12.6~231	1~5	175
SMBJP6KE6.8AQ~SMBJP6KE220AQ	SMB	Uni	600	5.8~185	1.8~57.1	10.5~328	6.46~209	7.14~231	1~1000	175
SMBJP6KE6.8CAQ~SMBJP6KE220CAQ	SMB	Bi	600	5.8~185	1.8~57.1	10.5~328	6.46~209	7.14~231	1~1000	175
SMA6J10AHE3~SMA6J100AHE3	SMA	Uni	600	10~100	3.7~35.3	17~162	11.1~111	12.3~123	1~5	150
SMA6J10CAHE3~SMA6J40CAHE3	SMA	Bi	600	10~40	9.3~35.3	17~64.5	11.1~44.4	12.3~49.1	1~5	150
SMA6J10AQ~SMA6J100AQ	SMA	Uni	600	10~100	3.7~35.3	17~162	11.1~111	12.3~123	1~5	175
SMA6J10CAQ~SMA6J20CAQ	SMA	Bi	600	10~20	18.5~35.3	17~32.4	11.1~22.2	12.3~24.5	1~5	175
SMA6J5.0AFLQ~SMA6J100AFLQ	DO-221AC	Uni	600	5~100	3.7~65.22	9.2~162	6.4~111	7.07~123	1~800	175
SMA6J11CAFLQ~SMA6J85CAFLQ	DO-221AC	Bi	600	11~85	4.38~32.97	18.2~137	12.2~94.4	13.5~104	1~5	175
SMB10J5.0AHE3~SMB10J85AHE3	SMB	Uni	1000	5~85	7.3~108.7	9.2~137	6.4~94.4	7.07~104	1~1000	175
SMB10J5.0CAHE3~SMB10J85CAHE3	SMB	Bi	1000	5~85	7.3~108.7	9.2~137	6.4~94.4	7.07~104	1~1000	175
SMBJ1.0KE6.8AHE3~SMBJ1.0KE68AHE3	SMB	Uni	1000	5.8~58.1	10.9~95.2	10.5~92	6.46~64.6	7.14~71.4	5~1000	175
SMBJ1.0KE6.8CAHE3~SMBJ1.0KE68CAHE3	SMB	Bi	1000	5.8~58.1	10.9~95.2	10.5~92	6.46~64.6	7.14~71.4	5~1000	175
SMB15J5.0AHE3~SMB15J85AHE3	SMB	Uni	1500	5~85	10.95~163	9.2~137	6.4~94.4	7.07~104	5~1000	175
SMB15J5.0CAHE3~SMB15J85CAHE3	SMB	Bi	1500	5~85	10.95~163	9.2~137	6.4~94.4	7.07~104	5~1000	175
SMCJ1.5KE12AHE3~SMCJ1.5KE220AHE3	SMC	Uni	1500	10.2~185	4.6~91	16.7~328	11.4~209	12.6~231	1~5	175
SMCJ1.5KE12CAHE3~SMCJ1.5KE220CAHE3	SMC	Bi	1500	10.2~185	4.6~91	16.7~328	11.4~209	12.6~231	1~5	175
SMCJ1.5KE6.8AQ~SMCJ1.5KE220AQ	SMC	Uni	1500	5.8~185	4.6~142.9	10.5~328	6.46~209	7.14~231	1~1000	175
SMCJ1.5KE6.8CAQ~SMCJ1.5KE220CAQ	SMC	Bi	1500	5.8~185	4.6~142.9	10.5~328	6.46~209	7.14~231	1~1000	175
SMCJ10AHE3~SMCJ190AHE3	SMC	Uni	1500	10~190	4.9~88.2	17~307.8	11.1~211	12.3~232	1~5	175
SMCJ10CAHE3~SMCJ190CAHE3	SMC	Bi	1500	10~190	4.9~88.2	17~307.8	11.1~211	12.3~232	1~5	175
SMCJ5.0AQ~SMCJ190AQ	SMC	Uni	1500	5~190	4.9~163	9.2~307.8	6.4~211	7.07~232	1~5	175
SMCJ5.0CAQ~SMCJ190CAQ	SMC	Bi	1500	5~190	4.9~163	9.2~307.8	6.4~211	7.07~232	1~5	175
SMLJ10AHE3A~SMLJ48AHE3A	SMC	Uni	3000	10~48	38.8~176.4	17~77.4	11.1~53.3	12.3~58.9	1~5	150

Automotive Grade

Automotive TVS

Part Number	Package	Uni/Bi	Peak Pluse Power Dissipation	Reverse Standoff Voltage	Peak Pulse Current	Max. Clamping Voltage	Breakdown Voltage		Reverse Leakage	Operating Junction Temperature
			P_{PK} (W)	V_{RWM}(V)	I_{PP}(A)	V_C (V)	V_{BR}(V) Min	V_{BR}(V) Max	I_R(uA)	T_J(°C)
SMLJ10CAHE3A~SMLJ48CAHE3A	SMC	Bi	3000	10~48	38.8~176.4	17~77.4	11.1~53.3	12.3~58.9	1~5	150
SMLJ5.0AQ~SMLJ85AQ	SMC	Uni	3000	5~85	21.9~326.09	9.2~137	6.4~94.4	7.07~104	1~1000	175
SMLJ5.0CAQ~SMLJ85CAQ	SMC	Bi	3000	5~85	21.9~326.09	9.2~137	6.4~94.4	7.07~104	1~1000	175
SM5S10AHE3~SM5S43AHE3	DO-218AB	Uni	3600	10~43	52~212	17~69.4	11.1~47.8	12.3~52.8	10~15	175
SM5S10CAHE3~SM5S43CAHE3	DO-218AB	Bi	3600	10~43	52~212	17~69.4	11.1~47.8	12.3~52.8	10~15	175
SM6S10AHE3~SM6S43AHE3	DO-218AB	Uni	4600	10~43	66~271	17~69.4	11.1~47.8	12.3~52.8	10~15	175
SM6S10CAHE3~SM6S43CAHE3	DO-218AB	Bi	4600	10~43	66~271	17~69.4	11.1~47.8	12.3~52.8	10~15	175
5.0SMLJ5.0AHE3~5.0SMLJ85AHE3	SMC	Uni	5000	5~85	36.5~543.6	9.2~137	6.4~94.4	7~104	2~1000	175
5.0SMLJ5.0CAHE3~5.0SMLJ85CAHE3	SMC	Bi	5000	5~85	36.5~543.6	9.2~137	6.4~94.4	7~104	2~1000	175
SM8S10AHE3~SM8S85AHE3	DO-218AB	Uni	6600	10~85	48~388	17~137	11.1~94.4	12.3~104	10~15	175
SM8S10CAHE3~SM8S85CAHE3	DO-218AB	Bi	6600	10~85	48~388	17~137	11.1~94.4	12.3~104	10~15	175
SM8Z10AHE3~SM8Z43AHE3	DO-218AB	Uni	8000	10~43	115.3~470.6	17~69.4	11.1~47.8	12.3~52.8	10~15	175
SM8Z10CAHE3~SM8Z43CAHE3	DO-218AB	Bi	8000	10~43	115.3~470.6	17~69.4	11.1~47.8	12.3~52.8	10~15	175

ESD Protection

Part Number	Package	Protected Lines	Configuration	Reverse Standoff Voltage	Max. Peak Pulse Current	Max. Clamping Voltage	Max. Reverse Leakage	Breakdown Voltage		Peak Power Dissipation	Junction Capacitance	IEC61000-4-2 Air/Contact	Operating Junction Temperature
				V_{RWM}(V)	I_{PP}(A)	V_C (V)	I_R(uA)	V_{BR}(V) Min	V_{BR}(V) Max	P_{PK}(W)	C_J(pF)	V_{ESD}(kV)	T_J(°C)
ESD1V8AE2	0201-A	1	Bidirectional	1.8	12	8.5	0.2	2.5	-	100	30	±30	125
ESDSB2V5AE2	0201-A	1	Bidirectional	2.5	10	10	0.1	2.8	-	100	25	±30	125
ESDLC3V3AE2	0201-A	1	Bidirectional	3.3	3	10	0.2	4.3	-	30	3	±30/±28	125
ESDSBSLC3V3AE2	0201-A	1	Bidirectional	3.3	4	8.5	0.05	7	-	34	0.5	±30	125
ESDSLC3V3AE2	0201-A	1	Unidirectional	3.3	5	16	0.2	4.2	-	80	0.6	±25/±20	125
ESDUSBULC3V3AE2	0201-A	1	Unidirectional	3.3	5	10	0.1	5	8.5	50	0.3	±30	125
ESDL3V3AE2	0201-A	1	Bidirectional	3.3	8	11	0.2	3.6	5	80	16	±30	125
ESDSBLC3V3AE2	0201-A	1	Bidirectional	3.3	9	10	0.1	3.5	-	90	13	±30	125
ESDHSBSLC3V3AE2	0201-A	1	Bidirectional	3.3	10	5	0.2	3.5	-	50	0.6	±30	125
ESDSBULC3V3AE2	0201-A	1	Bidirectional	3.3	10	9.6	0.5	4	-	96	0.55	±30	125
ESDH3V3AE2	0201-A	1	Bidirectional	3.3	20	8.5	0.1	3.5	-	170	35	±30	125
ESDULC3V6AE2	0201-A	1	Bidirectional	3.6	2.5	14	0.2	5	-	35	0.25	±20	125
ESDULC5V0AE2	0201-A	1	Bidirectional	5	1	11	0.1	6	-	11	3	±15/±8	125
ESDSBSLC5V0AE2	0201-A	1	Bidirectional	5	4	14	0.05	6	-	44	0.5	±15	125
ESDHSLC5V0AE2	0201-A	1	Unidirectional	5	5	12	0.5	6	-	60	0.5	±25/±20	125
ESDSLC5V0AE2	0201-A	1	Bidirectional	5	5	25	0.1	6.5	9.5	125	0.32	±20	125
ESDUSLC5V0AE2	0201-A	1	Unidirectional	5	5	15	0.5	6	-	75	0.8	±25/±20	125
ESDLSBULC5V0AE2	0201-A	1	Bidirectional	5	5.5	10	0.2	5.8	9.5	55	0.35	±30	125
ESDLSB5V0AE2	0201-A	1	Bidirectional	5	6	10	0.5	6	-	55	18	±30	125
ESD5V0AE2	0201-A	1	Unidirectional	5	8	12	0.2	6	8.5	100	60	±30	125
ESDLC5V0AE2	0201-A	1	Bidirectional	5	8	15	0.1	6	9	120	15	±15/±8	125
ESDSBL5V0AE2	0201-A	1	Bidirectional	5	8	12	0.1	6	-	96	13	±30	125
ESDSBULC5V0AE2	0201-A	1	Bidirectional	5	13	10	0.2	6	-	130	0.5	±30	85
ESDPLC5V0AE2	0201-A	1	Bidirectional	5.5	3	15	0.05	6	9	40	0.2	±20	150
ESDSB5V5AE2	0201-A	1	Bidirectional	5.5	6	12	0.1	6.1	-	72	13	±30	125
ESDSBLC5V5AE2	0201-A	1	Bidirectional	5.5	6	12	0.2	6	8	70	9	±30	125
ESDULC7V0AE2	0201-A	1	Bidirectional	7	2.5	15	0.2	8.5	-	37.5	0.2	±25/±20	125
ESDLC7V0AE2	0201-A	1	Bidirectional	7	6	17	0.2	7.5	-	100	15	±30	125
ESDSB7V0AE2	0201-A	1	Bidirectional	7	6	14	0.1	7.2	10.5	84	13	±30	125
ESDSBLC8V0AE2	0201-A	1	Bidirectional	8	4	18	0.2	9	-	70	5	±30	125
ESDULC8V0AE2	0201-A	1	Unidirectional	8	4	25	0.2	8.5	-	100	0.3	±20	125
ESDULC12VAE2	0201-A	1	Bidirectional	12	3	33	0.2	13.3	-	100	0.2	±25/±22	125
ESDLC12VAE2	0201-A	1	Bidirectional	12	5	20	0.2	13.3	-	100	10	±30	125
ESD12VAE2	0201-A	1	Unidirectional	12	8	20	0.1	12.9	16	160	40	±30	125
ESDHLC12VAE2	0201-A	1	Bidirectional	12	10	22	0.1	13	-	242	13	±30	125
ESDSBLC15VAE2	0201-A	1	Bidirectional	15	6	23	0.1	15.5	20	140	7	±30	125
ESDLC18VAE2	0201-A	1	Bidirectional	18	2.5	44	0.2	19.5	-	110	8	±20	125
ESDSBSLC18VAE2	0201-A	1	Bidirectional	18	4	10	0.05	18.5	-	34	0.5	±18	125
ESDSLC24VAE2	0201-A	1	Bidirectional	24	1.5	53	0.5	26.5	-	80	0.3	±15/±8	125
ESD24VAE2	0201-A	1	Unidirectional	24	2	45	0.2	27	-	90	10	±15/±8	125
ESDSBLC24VAE2	0201-A	1	Bidirectional	24	4	9	0.05	25	-	36	0.5	±15	125
ESDLSBLC24VAE2	0201-A	1	Bidirectional	24	5	36	0.2	27	-	180	5	±30	125
CSP5V0WB	CSP01005	1	Bidirectional	5	14	9	0.2	5.5	8	115	25	±30	125
CSPSBULC1V5AE	CSP0201	1	Bidirectional	1.5	4	3.25	0.1	4.5	8	13	0.2	±15/±12	125

ESD Protection

Part Number	Package	Protected Lines	Configuration	Reverse Standoff Voltage	Max. Peak Pulse Current	Max. Clamping Voltage	Max. Reverse Leakage	Breakdown Voltage		Peak Power Dissipation	Junction Capacitance	IEC61000-4-2 Air/Contact	Operating Junction Temperature
				V_{RWM}(V)	I_{PP}(A)	V_C (V)	I_R(uA)	V_{BR}(V) Min	V_{BR}(V) Max	P_{PK}(W)	C_J(pF)	V_{ESD}(kV)	T_J(°C)
CSPSBULC3V3AE	CSP0201	1	Bidirectional	3.3	4	3.25	0.1	4.5	8	13	0.2	±15/±12	125
CSPULC3V3AE	CSP0201	1	Bidirectional	3.3	4.5	21	0.5	6	8.5	80	0.35	±20/±15	125
CSPHSB3V3AE	CSP0201	1	Bidirectional	3.3	20	8.5	0.5	3.7	5.5	170	30	±30	125
CSPSB3V3AE	CSP0201	1	Unidirectional	3.3	21	8	0.2	3.6	5	160	80	±30	125
CSPHSBULC5V0AE	CSP0201	1	Bidirectional	5	3	2.6	0.2	5.5	10	9	0.26	±15/±12	125
CSPSLC5V0AE	CSP0201	1	Bidirectional	5	3	20	0.5	6	9	60	0.25	±18/±12	125
CSPULC5V0AE	CSP0201	1	Bidirectional	5	3.5	21	0.5	6	9	70	0.45	±20/±15	125
CSPSBULC5V0AE	CSP0201	1	Bidirectional	5	5	8	0.2	8	14	35	0.5	±20/±15	125
CSPLC5V0AE	CSP0201	1	Bidirectional	5	9	10	0.5	5.8	-	90	20	±30	125
CSPSB5V0AE	CSP0201	1	Unidirectional	5	16	10.5	0.5	5.8	8	160	80	±30	125
CSP5V0AE	CSP0201	1	Bidirectional	5	18	9.5	0.5	6	-	140	30	±30	125
CSPL12VAE	CSP0201	1	Bidirectional	12	7	21	0.2	13	-	130	12	±30	125
CSPSBULC18VAE	CSP0201	1	Bidirectional	18	5	8	0.1	19	-	35	0.5	±15	125
CSPSBSLC24VAE	CSP0201	1	Bidirectional	24	5	8	0.2	26	-	40	0.7	±15	125
CSPSBULC1V5LB	CSP1006-2	1	Bidirectional	1.5	4	3.25	0.1	4.5	8	13	0.25	±15/±12	125
CSPSBULC3V3LB	CSP1006-2	1	Bidirectional	3.3	4	3.25	0.1	4.5	8	13	0.25	±15/±12	125
CSPSLC3V3L	CSP1006-2	1	Unidirectional	3.3	11	15	0.2	4	6	150	0.6	±30	125
CSPSLC3V3LB	CSP1006-2	1	Bidirectional	3.3	11	15	0.2	4	6	150	0.6	±30	125
CSPHSLC3V3LB	CSP1006-2	1	Bidirectional	3.3	20	20	0.2	4	6	350	0.6	±30	125
CSP3V3L	CSP1006-2	1	Unidirectional	3.3	65	10.5	0.5	3.6	5.5	600	150	±30	125
CSPSB3V6LB	CSP1006-2	1	Bidirectional	3.6	90	8.2	1	3.8	6	720	200	±30	125
CSPSBHC4V5LB	CSP1006-2	1	Bidirectional	4.5	100	10.5	0.5	4.8	6.3	900	300	±30	125
CSPHC4V8L	CSP1006-2	1	Unidirectional	4.8	90	15	0.5	5	-	1350	200	±30	125
CSPSBHC4V8LB	CSP1006-2	1	Bidirectional	4.8	100	16	0.5	5	7	1600	200	±30	125
CSPSLC5V0LB	CSP1006-2	1	Bidirectional	5	3	20	0.5	6	9	60	0.22	±20/±15	125
CSPLULC5V0LB	CSP1006-2	1	Bidirectional	5	3.5	20	0.2	6	9	70	0.5	±20/±15	125
CSPULC5V0LB	CSP1006-2	1	Bidirectional	5	4	22	0.5	6	8.5	80	0.45	±20/±15	125
CSPSBULC5V0LB	CSP1006-2	1	Bidirectional	5	5	8	0.2	8	14	35	0.5	±20/±15	125
CSPHSBULC5V0LB	CSP1006-2	1	Bidirectional	5	9	8	0.2	6	9	65	0.4	±20	125
CSPLC5V0LB	CSP1006-2	1	Bidirectional	5	18	9.5	0.5	6	-	140	30	±30	125
CSPSBSLC5V0LB	CSP1006-2	1	Bidirectional	5	20	8	0.2	6	9	150	0.9	±30	125
CSP5V0L	CSP1006-2	1	Unidirectional	5	50	10.5	0.5	5.8	8	500	130	±30	125
CSPH5V0LB	CSP1006-2	1	Bidirectional	5	100	10.5	0.5	5.5	7.5	900	300	±30	125
CSPSBHC6V3LB	CSP1006-2	1	Bidirectional	6.3	90	16.5	0.5	6.5	9.5	1485	200	±30	125
CSPH7V0L	CSP1006-2	1	Unidirectional	7	45	15	0.5	8	-	700	185	±30	125
CSP8V0LB	CSP1006-2	1	Bidirectional	8	9	20	0.5	9	-	150	12	±30	125
CSP12VLB	CSP1006-2	1	Bidirectional	12	8	21	0.2	13	-	150	12	±30	125
CSPH12VL	CSP1006-2	1	Unidirectional	12	45	32	1	13	16.5	1300	150	±30	125
CSPSBULC18VLB	CSP1006-2	1	Bidirectional	18	5	8	0.1	19	25	35	0.8	±15	125
CSPSBSLC24VLB	CSP1006-2	1	Bidirectional	24	5	8	0.2	26	-	40	0.7	±15	125
CSP36VLB	CSP1006-2	1	Bidirectional	36	7	61	0.5	38	-	400	40	±30	125
CSPSBULC3V3P6	CSP1610-6	2	Bidirectional	3.3	12	16.5	0.05	3.8	6	200	0.5	±30	125
ESDSBULC0104DFN10	DFN-10	4	Unidirectional	1.5	7	8	0.2	6	10	56	0.3	±15	125
ESDSBULC0104DFN10B	DFN-10	4	Bidirectional	1.5	7	8	0.2	6	10	56	0.22	±15	125

ESD Protection

Part Number	Package	Protected Lines	Configuration	Reverse Standoff Voltage	Max. Peak Pulse Current	Max. Clamping Voltage	Max. Reverse Leakage	Breakdown Voltage		Peak Power Dissipation	Junction Capacitance	IEC61000-4-2 Air/Contact	Operating Junction Temperature
				V_{RWM}(V)	I_{PP}(A)	V_C (V)	I_R(uA)	V_{BR}(V) Min	V_{BR}(V) Max	P_{PK}(W)	C_J(pF)	V_{ESD}(kV)	T_J(°C)
ESDLC3324DFN10	DFN-10	4	Unidirectional	3.3	5	13	1	5	8	65	0.65	±15/±10	125
ESDSBULC3304DFN10	DFN-10	4	Unidirectional	3.3	7	8	0.2	6	10	56	0.3	±15	125
ESDSBULC3304DFN10B	DFN-10	4	Bidirectional	3.3	7	8	0.2	6	10	56	0.22	±15	125
ESDSLC0534DFN10	DFN-10	4	Unidirectional	5	3	15	0.2	6	8.5	50	0.5	±25/±20	125
ESDLC0524DFN10	DFN-10	4	Unidirectional	5	5	18	0.9	6.1	8.5	150	0.8	±25	150
ESDSLC0524F	DFN-10	4	Unidirectional	5	5	15	0.9	6.1	9.6	150	0.8	±25/±20	150
ESDSBULC0504DFN10	DFN-10	4	Unidirectional	5	7	8	0.2	6	10	56	0.3	±15	125
ESDSBULC0504DFN10B	DFN-10	4	Bidirectional	5	7	8	0.2	6	10	56	0.22	±15	125
ESD1V8LB	DFN1006-2	1	Bidirectional	1.8	12	8.5	0.2	2.5	-	100	30	±30	125
ESDH1V8LB	DFN1006-2	1	Bidirectional	1.8	38	8	0.2	2.5	-	300	80	±30	125
ESDSB2V5LB	DFN1006-2	1	Bidirectional	2.5	10	10	0.1	2.9	-	100	25	±30	85
ESD2V5L	DFN1006-2	1	Unidirectional	2.5	13	6.4	0.1	3	-	90	40	±30	125
ESDLC3V3LB	DFN1006-2	1	Bidirectional	3.3	1	11	0.1	4.3	6.8	20	3.1	±30	125
ESDSBSLC3V3LB	DFN1006-2	1	Bidirectional	3.3	4	8.5	0.05	7	-	34	0.5	±30	125
ESDSLC3V3LB	DFN1006-2	1	Bidirectional	3.3	5	20	0.05	5	-	100	0.3	±20/±25	125
ESDUSBULC3V3L	DFN1006-2	1	Unidirectional	3.3	5	10	0.1	5	8.5	50	0.3	±30	125
ESDL3V3LBA	DFN1006-2	1	Bidirectional	3.3	7	9	0.1	3.6	-	63	20	±30	125
ESDSBPLC3V3LB	DFN1006-2	1	Bidirectional	3.3	7	7.5	0.05	7	-	53	1	±30	125
ESDL3V3LB	DFN1006-2	1	Bidirectional	3.3	8	10	0.05	3.5	6.5	80	20	±30	125
ESDSBLC3V3LB	DFN1006-2	1	Bidirectional	3.3	9	10	0.1	3.5	-	90	13	±30	125
ESDLC3V3L	DFN1006-2	1	Unidirectional	3.3	10	15	0.5	3.5	-	150	20	±30	125
ESDSLC3V3L	DFN1006-2	1	Unidirectional	3.3	10	13	1	5	7.5	130	0.75	±30	125
ESDSBLC3V3L	DFN1006-2	1	Unidirectional	3.3	18	5	0.05	8.5	-	90	2.5	±30	125
ESD3V3L	DFN1006-2	1	Unidirectional	3.3	20	15	1	4.2	6	300	250	±30	125
ESDHSBULC3V3LB	DFN1006-2	1	Bidirectional	3.3	26	10	0.5	5	-	260	1.5	±30	125
ESD3V3LB	DFN1006-2	1	Bidirectional	3.3	35	12	0.5	4	6.5	420	70	±30	125
ESDSB3V3LB	DFN1006-2	1	Bidirectional	3.3	60	10	1	3.8	-	600	110	±30	125
ESDULC3V6LB	DFN1006-2	1	Bidirectional	3.6	2.5	15	0.2	5	-	37.5	0.25	±20	125
ESD4V5LB	DFN1006-2	1	Bidirectional	4.5	45	12	0.5	4.8	6	540	100	±30	125
ESDULC5V0LB	DFN1006-2	1	Bidirectional	5	2	12.5	0.2	6	-	25	3	±20	125
ESDHULC5V0LB	DFN1006-2	1	Bidirectional	5	3	12	0.2	5.6	11	36	0.5	±25	125
ESDSBLC5V0LB	DFN1006-2	1	Bidirectional	5	3.5	12	0.1	5.3	-	41	4	±30	125
ESDSLC5V0L	DFN1006-2	1	Unidirectional	5	4	16	0.1	6	-	80	0.7	±20	125
ESDSLC5V0LB	DFN1006-2	1	Bidirectional	5	4	20	0.5	6	9	100	0.35	±25/±22	125
ESDHSBULC5V0LB	DFN1006-2	1	Bidirectional	5	5	7	0.2	6	10	35	0.6	±15	125
ESDSLC5V0LU	DFN1006-2	1	Unidirectional	5	5	15	0.5	5.4	6.5	75	0.8	±25/±20	125
ESDLSBULC5V0LB	DFN1006-2	1	Bidirectional	5	5.5	10	0.2	5.8	9.5	55	0.35	±30	125
ESDLSB5V0LB	DFN1006-2	1	Bidirectional	5	6	10	0.5	6	-	55	18	±30	125
ESDSBULC5V0LB	DFN1006-2	1	Bidirectional	5	7	12	0.05	6	-	84	1	±30	125
ESDLSB5V0LBA	DFN1006-2	1	Bidirectional	5	8	12	0.1	5.3	-	96	20	±30	125
ESDSBL5V0LB	DFN1006-2	1	Bidirectional	5	8	10	0.1	5.3	7.5	96	13	±30	125
ESDHSLC5V0LB	DFN1006-2	1	Bidirectional	5	10	18	0.2	6	-	180	0.6	±30	85
ESDHSBLC5V0LB	DFN1006-2	1	Bidirectional	5	15	14	0.05	6	-	210	1.55	±30	125
ESDL5V0L	DFN1006-2	1	Unidirectional	5	15	14	0.2	6	-	200	100	±30	125

ESD Protection

Part Number	Package	Protected Lines	Configuration	Reverse Standoff Voltage	Max. Peak Pulse Current	Max. Clamping Voltage	Max. Reverse Leakage	Breakdown Voltage		Peak Power Dissipation	Junction Capacitance	IEC61000-4-2 Air/Contact	Operating Junction Temperature
				V_{RWM}(V)	I_{PP}(A)	V_C (V)	I_R(uA)	V_{BR}(V) Min	V_{BR}(V) Max	P_{PK}(W)	C_J(pF)	V_{ESD}(kV)	T_J(°C)
ESDSB5V0LB	DFN1006-2	1	Bidirectional	5	20	13	0.1	5.1	-	260	42	±30	125
ESD5V0LB	DFN1006-2	1	Bidirectional	5	25	16	0.5	6	9	400	100	±30/±25	125
ESDHSB5V0LB	DFN1006-2	1	Bidirectional	5	75	11.5	1	5.3	-	860	230	±30	125
ESDSBHC5V0LB	DFN1006-2	1	Bidirectional	5	90	16.5	0.5	6	9	1485	200	±30	125
ESDSBSLC5V0L	DFN1006-2	1	Unidirectional	5.5	3.6	14	0.1	7	9	42	0.65	±20	125
ESDSB5V5LB	DFN1006-2	1	Bidirectional	5.5	6	12	0.1	6.1	-	72	13	±30	125
ESDLC5V0LB	DFN1006-2	1	Bidirectional	5.5	8	10	0.2	6	8	80	20	±30	125
ESD6V3L	DFN1006-2	1	Unidirectional	6.3	32	12	0.3	6.8	-	350	150	±30	125
ESDULC7V0L	DFN1006-2	1	Unidirectional	7	2	13	0.2	8	-	26	0.2	±25/±20	125
ESD7V0LB	DFN1006-2	1	Bidirectional	7	5	16	0.2	7.5	-	80	15	±30	125
ESDSB7V0LB	DFN1006-2	1	Bidirectional	7	6	14	0.1	7.2	10.5	84	13	±30	125
ESD7V0L	DFN1006-2	1	Unidirectional	7	18	17	0.5	7.5	-	300	90	±30	150
ESDHSB7V0LB	DFN1006-2	1	Bidirectional	7	20	15	0.5	7.5	-	300	55	±30	125
ESDHC7V0L	DFN1006-2	1	Unidirectional	7	32	15	0.1	7.8	10	480	180	±30	125
ESDULC8V0LB	DFN1006-2	1	Bidirectional	8	3.5	26	0.2	9.5	11.5	90	0.5	±25/±20	125
ESDSLC12VLB	DFN1006-2	1	Bidirectional	12	2.5	32	0.2	13.5	-	80	0.5	±25/±20	125
ESDLC12VLB	DFN1006-2	1	Bidirectional	12	5	20	0.2	13.3	-	100	7	±30	125
ESDSB12VLB	DFN1006-2	1	Bidirectional	12	7	14	1	12.5	-	98	10	±30	125
ESDSBLC12VLB	DFN1006-2	1	Bidirectional	12	7	22	0.1	13	-	120	7	±30	125
ESD12VL	DFN1006-2	1	Unidirectional	12	12	25	0.1	13.3	-	300	60	±30	125
ESD12VLB	DFN1006-2	1	Bidirectional	12	14	25	0.1	13.3	-	350	50	±30	125
ESDH12VL	DFN1006-2	1	Unidirectional	12	25	26	0.1	13	17	650	90	±30	125
ESDLC15VLB	DFN1006-2	1	Bidirectional	15	6	25	0.2	16.2	-	150	5	±30	125
ESDSBLC15VLB	DFN1006-2	1	Bidirectional	15	6	23	0.1	15.5	20	140	5	±30	125
ESD15VL	DFN1006-2	1	Unidirectional	15	10	30	0.5	16.7	20	300	65	±30	125
ESDSB15VLB	DFN1006-2	1	Bidirectional	15	22	26	0.2	16	-	570	35	±30	125
ESDSLC16VLB	DFN1006-2	1	Bidirectional	16	1	30	0.1	18	-	30	0.9	±15/±8	125
ESDULC1610LB	DFN1006-2	1	Asymmetric	16	16	23	0.5	15.6	-	50	0.3	±20/±15	125
ESDSLC18VLB	DFN1006-2	1	Bidirectional	18	2	40	0.2	19	-	80	0.3	±25/±15	125
ESDSBSLC18VLB	DFN1006-2	1	Bidirectional	18	4	10	0.05	18.5	-	40	0.5	±15	125
ESD18VLB	DFN1006-2	1	Bidirectional	18	7	42	0.2	20	-	300	20	±30	125
ESDSLC24VLB	DFN1006-2	1	Bidirectional	24	1.5	53	0.5	26.5	-	80	0.3	±15/±8	125
ESD24VL	DFN1006-2	1	Unidirectional	24	5	55	0.3	26	-	250	35	±25/±20	125
ESD24VLB	DFN1006-2	1	Bidirectional	24	5	40	0.1	27	-	300	20	±30/±25	125
ESDSBLC24VLB	DFN1006-2	1	Bidirectional	24	5	36	0.2	27	-	180	5	±30	125
ESDSBLC48VLB	DFN1006-2	1	Bidirectional	48	60	4	0.5	50	68	240	5	±30	125
ESD0512LB	DFN1006-2	1	Asymmetric	12, 5	10	20	0.2	13, 6	17, 10	200	40	±30	125
ESD2V1L	DFN1006-2L	1	Unidirectional	2.1	14	9	1	2.5	6	120	21	±30	125
ESDLC5V0L2B	DFN1006-2L	1	Bidirectional	5	5	15	0.5	5.6	-	75	15	±30	150
ESDSLC5V0L2B	DFN1006-2L	1	Bidirectional	5.5	3	15	0.05	6.1	8.8	40	0.2	±20	150
ESDSLC5V0LTB	DFN1006-3	2	Unidirectional	5	5	15	0.1	6.4	-	75	0.8	±25/±20	125
ESDSBL5V0LTB	DFN1006-3	2	Bidirectional	5	8	12	0.1	5.3	-	96	11	±30	125
ESDSBSLC3V3LT	DFN1006-3B	2	Unidirectional	3.3	13	5	0.2	3.5	-	65	1	±30	125
ESDLSB5V0LTBA	DFN1006-3B	2	Bidirectional	5	8	12	0.1	5.3	-	96	20	±30	125

ESD Protection

Part Number	Package	Protected Lines	Configuration	Reverse Standoff Voltage	Max. Peak Pulse Current	Max. Clamping Voltage	Max. Reverse Leakage	Breakdown Voltage		Peak Power Dissipation	Junction Capacitance	IEC61000-4-2 Air/Contact	Operating Junction Temperature
				V_{RWM}(V)	I_{PP}(A)	V_C (V)	I_R(uA)	V_{BR}(V) Min	V_{BR}(V) Max	P_{PK}(W)	C_J(pF)	V_{ESD}(kV)	T_J(°C)
ESDSBSLC5V0LT	DFN1006-3B	2	Unidirectional	5	13	5	0.2	6	-	65	0.65	±30	125
ESD5V0PW	DFN1308-5	4	Unidirectional	5	3	12	0.1	6.5	9	36	0.45	±20/±15	125
SRL05P7	DFN1510-6	4	Unidirectional	5	5	17	0.9	6.1	9.6	90	0.8	±20/±15	150
ESD0551P1	DFN1608-2	1	Unidirectional	5	80	15	1	6	-	1200	700	±30	125
ESDHC12VP1	DFN1608-2	1	Unidirectional	12	45	22	0.5	12	-	990	260	±30	125
ESD1531P1	DFN1608-2	1	Unidirectional	15	20	35	0.5	16.5	-	700	100	±30	125
ESD24VP1	DFN1608-2	1	Unidirectional	24	20	48	0.5	26	-	960	120	±30	125
ESDSLC3V3P6B	DFN1610-2	1	Bidirectional	3.3	25	16	0.2	3.8	-	400	1.5	±30	125
ESD4571P6	DFN1610-2	1	Unidirectional	4.5	180	18	0.2	4.8	-	3200	400	±30	125
ESDSBHC4V5P6B	DFN1610-2	1	Bidirectional	4.5	195	18	0.5	4.8	-	3510	400	±30	125
ESD0571P6	DFN1610-2	1	Unidirectional	5	125	15	1	6	-	1875	960	±30	125
ESD0552P6	DFN1610-2	1	Unidirectional	5	160	14	1	5.2	7	2400	500	±30	125
ESDSBHC6V3P6B	DFN1610-2	1	Bidirectional	6.3	155	17	0.5	6.5	-	2635	370	±30	125
ESD0751P6	DFN1610-2	1	Unidirectional	7	100	17	1	8	10	1800	900	±30	125
ESD0771P6	DFN1610-2	1	Unidirectional	7	115	16.5	0.5	7.5	-	1875	550	±30	125
ESDULC8V0P6B	DFN1610-2	1	Bidirectional	8	12	20	0.2	8.5	-	240	0.6	±30	125
ESD1051P6	DFN1610-2	1	Unidirectional	10	86	20	1	10.7	12.3	1800	650	±30	125
ESD1251P6	DFN1610-2	1	Unidirectional	12	75	22	1	12.8	14.6	1800	510	±30	125
ESD1271P6	DFN1610-2	1	Unidirectional	12	75	25	0.1	12.6	-	1875	500	±30	125
ESD1551P6	DFN1610-2	1	Unidirectional	15	60	30	1	15.5	18	1800	380	±30	125
ESD1851P6	DFN1610-2	1	Unidirectional	18	50	35	1	19.2	22.5	1800	310	±30	125
ESD2471P6	DFN1610-2	1	Unidirectional	24	35	53.5	0.1	26.7	-	1875	200	±30	125
ESD2451P6	DFN1610-2	1	Unidirectional	24	40	43	1	24.7	-	1800	250	±30	125
ESD3671P6	DFN1610-2	1	Unidirectional	36	25	75	0.5	37	-	1875	150	±30	125
ESDLC0502P6	DFN1610-6	2	Unidirectional	5	5	15	0.5	6	-	75	0.8	±30/±25	125
ESDLC0524P3	DFN1616-6	4	Unidirectional	5	17	14	0.1	6.5	9	230	1.3	±30	125
ESDLC0504P3	DFN1616-6	3	Unidirectional	5.5	5	12	0.5	6.5	-	60	0.4	±30/±25	125
ESDLC3603P3	DFN1616-6	3	Unidirectional	5.5	5	20	0.5	6.5	-	100	0.5	±25/±20	125
ESDLC0554P3	DFN1616-6L	4	Unidirectional	5.5	11	22	0.1	6	7.8	240	2	±30	125
ESDULC5V0PHWF	DFN2010-5(SWF)	4	Bidirectional	5	3	20	0.2	6	-	50	0.3	±15/±8	125
ESDHC22VPF	DFN2018-6L	1	Unidirectional	22	100	35	1	24	26	3400	850	±30	125
ESD4V5P4	DFN2020-3L	1	Unidirectional	4.5	280	18	2	4.8	-	5000	680	±30	125
ESD4V5P4B	DFN2020-3L	1	Bidirectional	4.5	300	20	1	4.8	-	6000	350	±30	125
ESD7V0P4	DFN2020-3L	1	Unidirectional	7.5	275	22	1	8	-	6000	1500	±30	125
ESD1051P4	DFN2020-3L	1	Unidirectional	10	205	21	1	10.5	12.5	4500	2600	±30	125
ESD1251P4	DFN2020-3L	1	Unidirectional	12	200	24	0.1	12.5	15	4500	2000	±30	125
ESD12VP4	DFN2020-3L	1	Unidirectional	12	200	30	1	13	-	6000	550	±30	125
ESDHC12VP4	DFN2020-3L	1	Unidirectional	12	200	24	0.5	12.8	15	5000	1080	±30	125
ESDHHC12VP4	DFN2020-3L	1	Unidirectional	12	200	27	1	12.5	15.5	5000	1400	±30	125
ESD1551P4	DFN2020-3L	1	Unidirectional	15	160	28	0.1	15.5	18	4500	1500	±30	125
ESDHC15VP4	DFN2020-3L	1	Unidirectional	15	170	35	0.5	16	19	5000	1050	±30	125
ESDHHC15VP4	DFN2020-3L	1	Unidirectional	15	180	30	1	15.5	19	5000	1200	±30	125
ESD1851P4	DFN2020-3L	1	Unidirectional	18	150	33	0.1	18.5	21	4500	1200	±30	125
ESDHC18VP4	DFN2020-3L	1	Unidirectional	18	150	38	0.5	19	22	5000	950	±30	125

Protection Devices

ESD Protection

Part Number	Package	Protected Lines	Configuration	Reverse Standoff Voltage	Max. Peak Pulse Current	Max. Clamping Voltage	Max. Reverse Leakage	Breakdown Voltage		Peak Power Dissipation	Junction Capacitance	IEC61000-4-2 Air/Contact	Operating Junction Temperature
				V_{RWM}(V)	I_{PP}(A)	V_C (V)	I_R(uA)	V_{BR}(V) Min	V_{BR}(V) Max	P_{PK}(W)	C_J(pF)	V_{ESD}(kV)	T_J(°C)
ESD2451P4	DFN2020-3L	1	Unidirectional	24	120	38	0.1	24.5	28	4500	1000	±30	125
ESDHC24VP4	DFN2020-3L	1	Unidirectional	24	120	60	0.5	25	30	5000	800	±30	125
ESDHHC24VP4	DFN2020-3L	1	Unidirectional	24	220	33	1	25.5	29	7260	750	±30	125
ESDHC36VP4	DFN2020-3L	1	Unidirectional	36	75	65	1	36.8	-	4875	470	±30	125
ESDULC3324P5	DFN2510-10	4	Unidirectional	3.3	3	13	0.5	5.5	7.5	40	0.34	±25/±20	125
ESDSBULC3304P5	DFN2510-10	4	Unidirectional	3.3	5	10	0.1	5	8.5	50	0.3	±30	125
ESDULC0534P5	DFN2510-10	4	Bidirectional	5	3	15	0.5	6	-	45	0.19	±20	125
ESDULC0524P5	DFN2510-10	4	Unidirectional	5	4.5	12	0.1	7	-	54	0.4	±20	125
ESDSBLC2424P5	DFN2510-10	4	Bidirectional	24	5	32	0.2	26.5	36	160	9	±30	125
ESDLC2504P8	DFN2626-10	4	Unidirectional	2.5	35	15	0.2	2.7	-	375	5	±30	125
ESDLC3304P8	DFN2626-10	4	Unidirectional	3.3	25	18	0.5	3.5	-	450	2	±25/±15	125
ESDLC3304P9	DFN3020-10	4	Unidirectional	3.3	40	25	0.5	3.5	-	1000	5	±30	125
ESDLC5V0PA6	DFN4120-10	6	Unidirectional	5	4	25	0.5	6	-	100	0.4	±15/±8	125
ESDULC5V0PA6	DFN4120-10	6	Unidirectional	5	5	16	0.5	6	-	80	0.4	±25/±20	125
ESDULC3V3PRB	DFN5515-18	8	Unidirectional	3.3	3	15	0.2	3.5	-	45	0.25	±20	125
ESD3V3D3A	SOD-323	1	Unidirectional	3.3	18	12	0.5	4.5	-	200	200	±30	125
ESDSBLC3V3D3	SOD-323	1	Unidirectional	3.3	18	7.5	0.05	8.5	-	135	3	±30	125
ESDSLC3V3D3B	SOD-323	1	Bidirectional	3.3	20	8	0.1	4	-	350	1.5	±30	150
GBLC03CD3B	SOD-323	1	Bidirectional	3.3	21	20	0.5	4.2	-	350	0.5	±25/±20	125
ESD3V3D3BA	SOD-323	1	Bidirectional	3.3	29	11	0.5	3.7	6	320	70	±30	125
ESD3V3D3B	SOD-323	1	Bidirectional	3.3	30	17	0.5	4.2	6	500	200	±30	125
ESDH3V3D3	SOD-323	1	Unidirectional	3.3	35	11.5	0.5	3.8	7	400	110	±30	125
ESDSB3V3D3B	SOD-323	1	Bidirectional	3.3	35	13	0.5	4	6.5	400	80	±30	125
ESDN4V5D3B	SOD-323	1	Bidirectional	4.5	135	15	1	4.7	-	2000	300	±30	125
ESDSBSLC5V0D3B	SOD-323	1	Bidirectional	5	7	11	0.05	6	-	77	0.8	±30	125
ESD5V0D3B	SOD-323	1	Bidirectional	5	8	15	1	5.8	8.8	120	27	±25	150
ESD5V0D3	SOD-323	1	Unidirectional	5	15	15.5	1	6.2	7.3	350	350	±15/±8	150
ESD5V0D3A	SOD-323	1	Unidirectional	5	15	14	0.5	6.2	-	200	140	±30	125
ESDSLC5V0D3B	SOD-323	1	Bidirectional	5	18	20	0.5	6	-	350	1.5	±30	125
GBLC05CD3B	SOD-323	1	Bidirectional	5	18	22	0.5	6.1	-	350	0.5	±25/±20	125
ESDLC5V0D3	SOD-323	1	Unidirectional	5	21	32	1	6	-	600	5	±30	150
ESDH5V0D3	SOD-323	1	Unidirectional	5	30	20	1	5.5	7.5	600	220	±30KV	125
ESDH5V0D3BA	SOD-323	1	Bidirectional	5	30	12	1	5.5	8	360	80	±25	125
SD05CH	SOD-323	1	Bidirectional	5	34	15	0.2	6	-	500	200	±30	125
SD05	SOD-323	1	Unidirectional	5	40	12.5	1	6	-	500	350	±30	125
ESDN5V0D3B	SOD-323	1	Bidirectional	5	120	13.5	0.5	6	-	1620	300	±30	125
ESDSLC8V0D3B	SOD-323	1	Bidirectional	8	18	19.5	0.2	8.5	10	350	1.5	±30	150
GBLC08CD3B	SOD-323	1	Bidirectional	8	21	26	0.5	9.4	-	350	0.5	±25/±20	125
SD08CH	SOD-323	1	Bidirectional	8	30	18	0.2	8.5	-	500	120	±30	125
ESD12VD3B	SOD-323	1	Bidirectional	12	1	15.5	1	13.5	-	350	100	±30	150
ESD12VD3A	SOD-323	1	Unidirectional	12	10	28	0.5	13.3	-	200	55	±30	125
ESD12VD3BA	SOD-323	1	Bidirectional	12	10	28	1	13	-	250	30	±30	150
ESD12VD3	SOD-323	1	Unidirectional	12	12	33	1	13.3	15.75	350	150	±30	150
ESDULC12VD3B	SOD-323	1	Bidirectional	12	12	29	0.2	13.3	17.8	500	1.5	±30	125

ESD Protection

Part Number	Package	Protected Lines	Configuration	Reverse Standoff Voltage	Max. Peak Pulse Current	Max. Clamping Voltage	Max. Reverse Leakage	Breakdown Voltage		Peak Power Dissipation	Junction Capacitance	IEC61000-4-2 Air/Contact	Operating Junction Temperature
				V_{RWM}(V)	I_{PP}(A)	V_C (V)	I_R(uA)	V_{BR}(V) Min	V_{BR}(V) Max	P_{PK}(W)	C_J(pF)	V_{ESD}(kV)	T_J(°C)
SD12C	SOD-323	1	Bidirectional	12	18	28	0.2	13.3	-	500	100	±30	125
ESDSLC12VD3B	SOD-323	1	Bidirectional	12	19	28	0.2	13.3	-	500	1	±30	125
ESD1524D3B	SOD-323	1	Asymmetric	15	5	35	0.05	17.1	-	160	13	±30	85
ESD15VD3A	SOD-323	1	Unidirectional	15	8	35	0.5	16.5	-	200	45	±30	125
ESD15VD3BA	SOD-323	1	Bidirectional	15	9	38	1	15.5	-	250	22	±30	150
ESDSLC15VD3B	SOD-323	1	Bidirectional	15	10	30	0.2	16.7	-	300	1.5	±30	125
SD15CH	SOD-323	1	Bidirectional	15	16	31	0.2	16.7	-	500	80	±30	125
ESD18VD3A	SOD-323	1	Unidirectional	18	8	38	0.5	19	-	200	39	±30	125
ESD18VD3BA	SOD-323	1	Bidirectional	18	8	40	1	19	-	250	20	±30	150
ESDSLC18VD3B	SOD-323	1	Bidirectional	18	8	45	0.2	19.8	25	350	3	±30	125
ESDSLC24VD3B	SOD-323	1	Bidirectional	24	6	55	0.2	27	-	360	1.5	±30	125
GBLC24CD3B	SOD-323	1	Bidirectional	24	6	58	0.5	26.1	-	350	0.5	±25/±20	125
ESD24VD3A	SOD-323	1	Unidirectional	24	7	50	0.5	25	-	200	50	±30	125
ESD24VD3BA	SOD-323	1	Bidirectional	24	7	44	1	26	-	250	20	±30	150
SD24C	SOD-323	1	Bidirectional	24	8	62	1	26.7	-	450	50	-	125
ESDSLC36VD3B	SOD-323	1	Bidirectional	36	4.5	75	0.2	38	-	340	0.8	±25	125
ESD36VD3A	SOD-323	1	Unidirectional	36	5	75	0.5	40	-	200	24	±30	125
ESD36VD3BA	SOD-323	1	Bidirectional	36	5	75	1	39	-	250	13	±30	150
SD36CH	SOD-323	1	Bidirectional	36	6	50	0.2	38	-	500	30	±30	125
ESDULC3V3D5B	SOD-523	1	Bidirectional	3.3	4	25	0.2	5	-	100	0.3	±20	125
ESD3V3D5B	SOD-523	1	Bidirectional	3.3	8	12	0.5	4.2	6.5	96	16	±30	125
ESDLC3V3D5	SOD-523	1	Unidirectional	3.3	11	14.5	0.1	3.5	-	155	20	±30	125
ESDSB3V3D5B-T3P	SOD-523	1	Bidirectional	3.3	13	9	0.1	3.5	-	140	28	±30	125
ESD3V3D5	SOD-523	1	Unidirectional	3.3	16	13	0.08	5	-	220	105	±30	150
ESD3V3D5BA	SOD-523	1	Bidirectional	3.3	18	10	0.5	3.7	6	180	60	±30	125
ESDULC5V0D5B	SOD-523	1	Bidirectional	5	2	12	0.2	6	9	24	0.4	±20	125
ESDLC5V0D5B	SOD-523	1	Bidirectional	5	5	12	0.1	5.8	7.8	150	15	±25	150
ESDSLC5V0D5	SOD-523	1	Unidirectional	5	5	16	0.5	6	-	80	0.7	±25	125
ESD5V0D5	SOD-523	1	Unidirectional	5	9.4	18.6	0.05	6.2	-	174	80	±30	150
ESD5V0D5B	SOD-523	1	Bidirectional	5	12	13	1	5.8	8.8	150	27	±30	150
ESD5V0D5BS	SOD-523	1	Bidirectional	5	15	14	0.01	6	8	200	50	±30	125
ESDH5V0D5	SOD-523	1	Unidirectional	5	22	14	0.5	6	-	300	160	±30	125
ESD7V0D5	SOD-523	1	Unidirectional	7	8.8	22.7	0.03	7.5	-	200	65	±30	150
ESD12VD5	SOD-523	1	Unidirectional	12	9.6	25	0.02	14.1	-	240	55	±30	150
ESD15VD5	SOD-523	1	Unidirectional	15	11	32	0.2	18	23	350	80	±30	125
ESDSBLC20VD5B	SOD-523	1	Bidirectional	20	4	36	0.1	24	31.5	145	5	±30	125
ESDSBLC24VD5B	SOD-523	1	Bidirectional	24	5	32	0.5	25	-	160	5	±30	125
ESD24VD5	SOD-523	1	Unidirectional	24	7.5	44	1	26.7	33	330	36	±25	150
ESD36VD5	SOD-523	1	Unidirectional	36	5	75	0.5	38	46	350	24	±30	125
ESD3V3D9B	SOD-923	1	Bidirectional	3.3	1	8	1	4	-	80	8	±30	150
ESD3V3D9	SOD-923	1	Unidirectional	3.3	5	8.8	1	5	-	100	50	±15/±8	150
ESDLC5V0D9	SOD-923	1	Unidirectional	5	1	9.8	1	5.4	8.5	100	0.5	±15/±8	150
ESDLC5V0D9B	SOD-923	1	Bidirectional	5	1.5	12	1	5.6	7.8		2.1	±15/±8	150
ESD5V0D9	SOD-923	1	Unidirectional	5	5	11	1	6	7.2	100	40	±15/±8	150

ESD Protection

Part Number	Package	Protected Lines	Configuration	Reverse Standoff Voltage	Max. Peak Pulse Current	Max. Clamping Voltage	Max. Reverse Leakage	Breakdown Voltage		Peak Power Dissipation	Junction Capacitance	IEC61000-4-2 Air/Contact	Operating Junction Temperature
				V_{RWM}(V)	I_{PP}(A)	V_C (V)	I_R(uA)	V_{BR}(V) Min	V_{BR}(V) Max	P_{PK}(W)	C_J(pF)	V_{ESD}(kV)	T_J(°C)
ESDLC5V0D9L	SOD-923	1	Unidirectional	5	5	15	0.5	5.4	6.5	75	0.9	±25/±20	125
ESD12VD9	SOD-923	1	Unidirectional	12	1	18.4	1	13.5	-	100	15	±30	150
SLVU2.8-4	SOP-8	4	Unidirectional	2.8	30	20	1	3	-	600	3	±30	125
LC03-3.3	SOP-8	2	Unidirectional	3.3	150	48	0.5	3.5	-	7200	16	±30	125
ESDSLC5V0T1	SOT-143	2	Unidirectional	5	4	16	1	6	9	50	0.3	±25/±20	150
LSR05	SOT-143	3	Unidirectional	5	5	12	0.5	6	-	90	0.4	±30	125
SR05	SOT-143	3	Unidirectional	5	25	20	0.5	6	-	500	6	±30	125
SR70	SOT-143	2	Unidirectional	70	24	7	5	85	-	168	10	±15/±8	150
MMBZ6V2A	SOT-23	2	Unidirectional	3	2.76	8.7	0.5	5.89	6.51	24	275	±30	150
MMBZ6V2C	SOT-23	2	Unidirectional	3	2.76	8.7	0.5	5.89	6.51	24	275	±30	150
MMBZ5V6A	SOT-23	2	Unidirectional	3	3	8	5	5.32	5.88	24	315	±30	150
MMBZ5V6C	SOT-23	2	Unidirectional	3	3	8	5	5.32	5.88	24	315	±30	150
ESD3V3AP	SOT-23	2	Unidirectional	3.3	13.3	7.5	10	5	5.9	300	150	±15/±8	150
SM3.3	SOT-23	2	Unidirectional	3.3	18	20	1.5	5.2	6	360	200	±17/±20	125
ESD3V3T2B	SOT-23	2	Bidirectional	3.3	25	16	0.5	5	-	250	100	±30	150
SM3.3B	SOT-23	2	Bidirectional	3.3	25	10	1.5	4	6.5	350	100	±30	150
SM3.3H	SOT-23	2	Unidirectional	3.3	40	12.5	0.5	3.5	-	500	260	±30	125
MMBZ6V8A	SOT-23	2	Unidirectional	4.5	2.5	9.6	0.5	6.46	7.14	24	250	±30	150
MMBZ6V8C	SOT-23	2	Unidirectional	4.5	2.5	9.6	0.5	6.46	7.14	24	250	±30	150
ESDL5V0T2B	SOT-23	2	Bidirectional	5	2	14	0.2	5.6	9.5	28	5	±15/±8	125
ESDULC5V0T2	SOT-23	2	Unidirectional	5	3.5	12	0.1	7	9	42	0.65	±20	125
ESDSLC5V0T2	SOT-23	2	Unidirectional	5	5	20	0.5	6	-	100	0.4	±20/±15	150
SM05	SOT-23	2	Unidirectional	5	12	9.8	10	6.2	7.3	300	110	±15/±8	150
ESD5V0ET2	SOT-23	2	Unidirectional	5	20	15	1	6	-	250	140	±30	150
ESD5V0T2	SOT-23	2	Unidirectional	5	20	15	1	6	-	250	140	±30	150
SM05B	SOT-23	2	Bidirectional	5	20	15	1	6	-	300	80	±30	125
HSM05	SOT-23	2	Unidirectional	5	23	14	0.5	6	-	320	160	±30	125
ESDA6V1L	SOT-23	2	Unidirectional	5.25	18.5	16.5	20	6.1	7.2	300	140		150
MMBZ9V1A	SOT-23	2	Unidirectional	6	1.7	14	0.3	8.65	9.56	24	185	±30	150
MMBZ9V1C	SOT-23	2	Unidirectional	6	1.7	14	0.3	8.65	9.56	24	185	±30	150
ESD7V0T2B	SOT-23	2	Bidirectional	7	17	15	0.5	7.5	-	250	65	±30	150
MMBZ12VA	SOT-23	2	Unidirectional	8.5	2.35	17	0.05	11.3	13	40	114	±30	150
MMBZ12VC	SOT-23	2	Unidirectional	8.5	2.35	17	0.05	11.3	13	40	114	±30	150
MMBZ15VA	SOT-23	2	Unidirectional	12	1.9	21	0.05	14.25	15.75	40	95	±30	150
MMBZ15VC	SOT-23	2	Unidirectional	12	1.9	21	0.05	14.25	15.75	40	95	±30	150
ESD12VET2	SOT-23	2	Unidirectional	12	10	28	1	13	-	250	55	±30	150
ESD12VT2	SOT-23	2	Unidirectional	12	10	28	1	13	-	250	55	±30	150
ESD12VT2B	SOT-23	2	Bidirectional	12	10	30	0.5	13	-	250	35	±30	150
SM12B	SOT-23	2	Bidirectional	12	10	30	0.5	13.3	-	300	32	±30	125
SM12	SOT-23	2	Unidirectional	12	11.2	19	1	13.3	15.75	300	60	±15/±8	150
LSM712	SOT-23	2	Asymmetric	12	12	20	0.5	13.3	-	240	25	±30	125
SM712	SOT-23	2	Asymmetric	12	13	25	1	13.3	-	400	45	±30	150
ESDH12VT2	SOT-23	2	Unidirectional	12	25	26	0.1	13	17	650	110	±30	125
SM712H	SOT-23	2	Asymmetric	12	36	28	0.1	13.3	-	1000	75	±30	125

ESD Protection

Part Number	Package	Protected Lines	Configuration	Reverse Standoff Voltage	Max. Peak Pulse Current	Max. Clamping Voltage	Max. Reverse Leakage	Breakdown Voltage		Peak Power Dissipation	Junction Capacitance	IEC61000-4-2 Air/Contact	Operating Junction Temperature
				V_{RWM}(V)	I_{PP}(A)	V_C (V)	I_R(uA)	V_{BR}(V) Min	V_{BR}(V) Max	P_{PK}(W)	C_J(pF)	V_{ESD}(kV)	T_J(°C)
MMBZ16VA	SOT-23	2	Unidirectional	13	1.7	23	0.05	15.2	16.8	40	90	±30	150
MMBZ16VC	SOT-23	2	Unidirectional	13	1.7	23	0.05	15.2	16.8	40	90	±30	150
MMBZ18VA	SOT-23	2	Unidirectional	14.5	1.6	25	0.05	17	18.9	40	80	±30	150
MMBZ18VC	SOT-23	2	Unidirectional	14.5	1.6	25	0.05	17	18.9	40	80	±30	150
SM15B	SOT-23	2	Bidirectional	15	8	35	0.2	17	-	300	25	±30	125
ESD15VET2	SOT-23	2	Unidirectional	15	9	38	1	15.5	-	250	45	±30	150
ESD15VT2	SOT-23	2	Unidirectional	15	9	38	1	15.5	-	250	45	±30	150
ESD15VT2B	SOT-23	2	Bidirectional	15	9	30	0.5	16	-	250	30	±30	150
SM15H	SOT-23	2	Unidirectional	15	20	32	0.2	16.7	-	500	90	±30	125
MMBZ20VA	SOT-23	2	Unidirectional	17	1.4	28	0.05	19	21	40	77	±30	150
MMBZ20VC	SOT-23	2	Unidirectional	17	1.4	28	0.05	19	21	40	77	±30	150
MMBZ27VA	SOT-23	2	Unidirectional	22	1	40	0.05	25.65	28.35	40	70	±30	150
MMBZ27VC	SOT-23	2	Unidirectional	22	1	40	0.05	25.65	28.35	40	70	±30	150
SM22	SOT-23	2	Unidirectional	22	3	44	1	27	-	300	80	±15/±8	125
SM24B	SOT-23	2	Bidirectional	24	5	60	0.2	27	-	300	15	±30	125
ESD24VET2	SOT-23	2	Unidirectional	24	7	44	1	26	-	250	36	±30	150
ESD24VT2	SOT-23	2	Unidirectional	24	7	44	1	26	-	250	36	±30	150
ESD24VT2B	SOT-23	2	Bidirectional	24	7	44	0.5	26	-	250	20	±30	150
ESDHL24VT2B	SOT-23	2	Bidirectional	24	9	50	0.5	26	-	400	30	±30	125
ESDSBLC24VT2B	SOT-23	2	Bidirectional	24	10	32	0.2	25	-	320	9	±30	125
HSM24B	SOT-23	2	Bidirectional	24	13	34.5	0.2	25	-	450	15	±30	125
MMBZ33VA	SOT-23	2	Unidirectional	26	0.87	46	0.05	31.35	34.55	40	50	±30	150
MMBZ33VC	SOT-23	2	Unidirectional	26	0.87	46	0.05	31.35	34.55	40	50	±30	150
ESD27VT2B	SOT-23	2	Bidirectional	27	6	70	0.5	31	-	250	15	±30	150
MMBZ39VA	SOT-23	2	Unidirectional	31.2	0.76	53	0.05	36	42	38	42	±30	150
MMBZ39VC	SOT-23	2	Unidirectional	31.2	0.76	53	0.05	36	42	38	42	±30	150
SM32B	SOT-23	2	Bidirectional	32	4.5	67	0.2	35.6	-	300	25	±30	125
SM36	SOT-23	2	Unidirectional	36	3	80	1	40	48	240	30	±12	125
SM36B	SOT-23	2	Bidirectional	36	3	90	0.2	38	-	300	15	±30	125
ESD36VET2	SOT-23	2	Unidirectional	36	5	75	1	39	-	250	24	±30	150
ESD36VT2	SOT-23	2	Unidirectional	36	5	75	1	39	-	250	24	±30	150
ESD36VT2B	SOT-23	2	Bidirectional	36	5	90	0.5	38	-	250	13	±30	150
MMBZ47VA	SOT-23	2	Unidirectional	38	0.74	54	0.05	44.65	49.35	40	36	±30	150
MMBZ47VC	SOT-23	2	Unidirectional	38	0.74	54	0.05	44.65	49.35	40	36	±30	150
SRV33-4S	SOT23-6L	4	Unidirectional	3.3	11	11	0.5	3.6	7	100	0.9	±20/±15	125
SRV33-4L	SOT23-6L	4	Unidirectional	3.3	22	14	0.5	3.5	5.3	300	5	±30	125
SRV33-4H	SOT23-6L	4	Unidirectional	3.3	50	12	0.5	4.5	7	600	2	±30	125
SRV05-4E	SOT23-6L	4	Unidirectional	5	4.5	12	0.1	7	9	54	0.4	±25	125
SRL05	SOT23-6L	4	Unidirectional	5	5	17	0.9	6.1	9.6	90	0.8	±20/±15	150
ESDA6V1-4L	SOT23-6L	4	Bidirectional	5	6	14	0.2	6	-	80	20	±30	125
SRV05-4D	SOT23-6L	4	Unidirectional	5	6	12	0.1	7	9	72	0.8	±30	125
SRV05-4A	SOT23-6L	4	Unidirectional	5	12	25	5	6	-	300	3	±15/±8	150
SRV05-4C	SOT23-6L	4	Unidirectional	5	17	18	0.5	6	8.5	300	0.4	±20/±15	125
SRV05-4L	SOT23-6L	4	Unidirectional	5.5	12	17.5	1	6	-	350	1.5	±15/±8	150

Protection Devices

ESD Protection

Part Number	Package	Protected Lines	Configuration	Reverse Standoff Voltage	Max. Peak Pulse Current	Max. Clamping Voltage	Max. Reverse Leakage	Breakdown Voltage		Peak Power Dissipation	Junction Capacitance	IEC61000-4-2 Air/Contact	Operating Junction Temperature
				V_{RWM}(V)	I_{PP}(A)	V_C (V)	I_R(uA)	V_{BR}(V) Min	V_{BR}(V) Max	P_{PK}(W)	C_J(pF)	V_{ESD}(kV)	T_J(°C)
ESDSBLC24VT3B	SOT-323	2	Bidirectional	24	5	32	0.2	26.5	36	160	10	±30	125
ESDU5V0T5	SOT-523	2	Unidirectional	5	4	11	1	5.4	9.4	56	0.5	±20/±15	150
ESDSLC5V0T5	SOT-523	2	Unidirectional	5	5	25	0.5	6	-	125	0.8	±20KV	125
ESDULC5V0M5	SOT-563	4	Unidirectional	5	3	15	0.5	6	-	45	0.8	±12	125
ESDU5V0M5	SOT-563	4	Unidirectional	5	3.5	25	1	6	10	90	0.8	±25	150

Programmable TSS

Part Number	Package	Maximum Voltage (Gate to Line)	Gate Triggering Current	Peak Pulse Current	Holding Current	Operating Junction Temperature
		V_{MGL}(V)	I_{GT}(mA)	I_{PP}(A)	I_H(mA)	T_J(°C)
P61089B	SOP-8	-167	5	50	150	150

TVS

Part Number	Package	Uni/Bi	Peak Pluse Power Dissipation	Reverse Standoff Voltage	Peak Pulse Current	Max. Clamping Voltage	Breakdown Voltage		Reverse Leakage	Operating Junction Temperature
			P_{PK} (W)	V_{RWM}(V)	I_{PP}(A)	V_C (V)	V_{BR}(V) Min	V_{BR}(V) Max	I_R(uA)	T_J(°C)
SMHE5.0A~SMHE90A	SOD-323HE-B	Uni	150	5.0~90	1.0~16.3	9.2~146	6.4~100	7.07~1	1.0~400	150
SMF5.0A~SMF200A	SOD-123FL	Uni	200	5.0~200	0.6~21.7	9.2~324	6.4~224	7.0~247	1~400	175
SMF5.0CA~SMF200CA	SOD-123FL	Bi	200	5.0~200	0.6~21.7	9.2~324	6.4~224	7.0~247	1~400	175
SMH5.0A~SMH100A	SOD-123HL	Uni	200	5.0~100	1.23~21.74	9.2~162	6.4~111	7.07~123	1~400	150
SMHEB6.5A~SMHEB58A	SOD-323HE-B	Uni	200	6.5~58	2.14~17.86	11.2~93.6	7.22~64.4	7.98~71.2	1~250	150
P4KE6.8A~P4KE550A	DO-41	Uni	400	5.8~495	0.52~39	10.5~760	6.45~522.5	7.14~577.5	1~1000	175
P4KE6.8CA~P4KE550CA	DO-41	Bi	400	5.8~495	0.52~39	10.5~760	6.45~522.5	7.14~577.5	1~1000	175
SM4F5.0A~SM4F100A	SOD-123FL	Uni	400	5.0~100	2.46~43.5	9.2~162	6.4~111	7.0~123	1~400	150
SM4F5.0CA~SM4F45CA	SOD-123FL	Bi	400	5.0~45	5.5~43.5	9.2~72.7	6.4~50	7.0~55.3	1~400	150
SM4H5.0A~SM4H100A	SOD-123FL	Uni	400	5.0~100	2.46~43.38	9.2~162	6.4~111	7.07~123	1~800	150
SMAF5.0A~SMAF300A	DO-221AC	Uni	400	5~300	0.8~43.5	9.2~486	6.4~335	7~371	1~800	175
SMAF5.0CA~SMAF300CA	DO-221AC	Bi	400	5~300	0.8~43.5	9.2~486	6.4~335	7~371	1~800	175
SMAJ5.0A~SMAJ220A	SMA	Uni	400	5~220	1.1~43.5	9.2~356	6.4~246	7~272	1~800	175
SMAJ5.0CA~SMAJ220CA	SMA	Bi	400	5~220	1.1~43.5	9.2~356	6.4~246	7~272	1~800	175
SMAJP4KE220AL~SMAJP4KE350AL	SMA	Uni	400	185~300	0.9~1.3	328~482	209~332	231~368	1	175
SMAJP4KE6.8A~SMAJP4KE220A	SMA	Uni	400	5.8~185	1.3~39	10.5~328	6.45~209	7.14~231	1~1000	175
SMAJP4KE6.8CA~SMAJP4KE220CA	SMA	Bi	400	5.8~185	1.3~39	10.5~328	6.45~209	7.14~231	1~1000	175
SMAJS24CA	SMA	Bi	400	24	10.3	38.9	26.7	29.5	1	150
P6KE6.8A~P6KE600A	DO-15	Uni	600	5.8~512	0.75~57	10.5~828	6.45~570	7.14~630	1~1000	175
P6KE6.8CA~P6KE600CA	DO-15	Bi	600	5.8~512	0.75~57	10.5~828	6.45~570	7.14~630	1~1000	175
SMA6J5.0AFL~SMA6J130AFL	DO-221AC	Uni	600	5~130	2.9~65.2	9.2~209	6.4~144	7~159	1~800	150
SMA6J11CAFL~SMA6J85CAFL	DO-221AC	Bi	600	11~85	4.4~33	18.2~137	12.2~94.4	13.5~104	1	150
SMA6J5.0A~SMA6J58A	SMA	Uni	600	5~58	6.41~65.2	9.2~93.6	6.4~64.4	7~71.2	1~800	175
SMA6J5.0CA~SMA6J58CA	SMA	Bi	600	5~58	6.41~65.2	9.2~93.6	6.4~64.4	7~71.2	1~800	175
SMBF5.0A~SMBF220A	SMBF	Uni	600	5.0~220	1.69~65.22	9.2~356	6.4~246	7.07~272	1~800	150
SMBF5.0CA~SMBF220CA	SMBF	Bi	600	5.0~220	1.69~65.22	9.2~356	6.4~246	7.07~272	1~800	150
SMBJ220AL~SMBJ440AL	SMB	Uni	600	220~400	0.9~1.7	356~648	246~447	272~494	1	175
SMBJ220CAL~SMBJ440CAL	SMB	Bi	600	220~440	0.9~1.7	356~713	246~492	272~543	1	175
SMBJ5.0A~SMBJ440A	SMB	Uni	600	5~440	0.9~65.2	9.2~713	6.4~492	7~543	1~800	175
SMBJ5.0CA~SMBJ440CA	SMB	Bi	600	5~440	0.9~65.2	9.2~713	6.4~492	7~543	1~800	175
SMBJP6KE250AL~SMBJP6KE400AL	SMB	Uni	600	214~342	1.1~1.9	344~548	237~380	263~420	1	150
SMBJP6KE6.8A~SMBJP6KE550A	SMB	Uni	600	5.8~468	0.8~58.1	10.5~760	6.45~522.5	7.14~577.5	1~1000	150
SMBJP6KE6.8CA~SMBJP6KE550CA	SMB	Bi	600	5.8~468	0.8~58.1	10.5~760	6.45~522.5	7.14~577.5	1~1000	150
SMB10J5.0A~SMB10J120A	SMB	Uni	1000	5.0~120	5.18~108.7	9.2~193	6.4~133	7~147	1~800	150
SMB10J5.0CA~SMB10J120CA	SMB	Bi	1000	5.0~120	5.18~108.7	9.2~193	6.4~133	7~147	1~800	150
SMBJ1.0KE6.8A~SMBJ1.0KE91A	SMB	Uni	1000	5.8~77.8	8~95.2	10.5~125	6.46~86.45	7.14~95.55	1~900	150
SMBJ1.0KE6.8CA~SMBJ1.0KE91CA	SMB	Bi	1000	5.8~77.8	8~95.2	10.5~125	6.46~86.45	7.14~95.55	1~900	150
1.5KE6.8A~1.5KE550A	DO-201AE	Uni	1500	5.8~467	2~144.8	10.5~760	6.45~522.5	7.14~577.5	5~1000	175
1.5KE6.8CA~1.5KE550CA	DO-201AE	Bi	1500	5.8~467	2~144.8	10.5~760	6.45~522.5	7.14~577.5	5~1000	175
SMB15J15A~SMB15J58A	SMB	Uni	1500	15~58	16.03~61.48	24.4~93.6	16.7~64.4	18.5~71.2	5	150
SMB15J15CA~SMB15J58CA	SMB	Bi	1500	15~58	16.03~61.48	24.4~93.6	16.7~64.4	18.5~71.2	5	150
SMCJ1.5KE6.8A~SMCJ1.5KE550A	SMC	Uni	1500	5.8~495	2~144.8	10.5~760	6.45~522.5	7.14~577.5	5~1000	175
SMCJ1.5KE6.8CA~SMCJ1.5KE550CA	SMC	Bi	1500	5.8~495	2~144.8	10.5~760	6.45~522.5	7.14~577.5	5~1000	175
SMCJ220AL~SMCJ350AL	SMC	Uni	1500	220~350	2.6~4.2	356~567	246~391	272~432	1	175

TVS

Part Number	Package	Uni/Bi	Peak Pluse Power Dissipation	Reverse Standoff Voltage	Peak Pulse Current	Max. Clamping Voltage	Breakdown Voltage		Reverse Leakage	Operating Junction Temperature
			P_{PK} (W)	V_{RWM}(V)	I_{PP}(A)	V_C (V)	V_{BR}(V) Min	V_{BR}(V) Max	I_R(uA)	T_J(°C)
SMCJ220CAL~SMCJ250CAL	SMC	Bi	1500	220~250	3.7~4.2	356~405	246~279	272~309	1	175
SMCJ5.0A~SMCJ440A	SMC	Uni	1500	5.0~440	2.1~163	9.2~713	6.4~492	7~543	1~800	175
SMCJ5.0CA~SMCJ440CA	SMC	Bi	1500	5.0~440	2.1~163	9.2~713	6.4~492	7~543	1~800	175
SMB20J20A~SMB20J58A	SMB	Uni	2000	20~58	21.37~61.73	32.4~93.6	22.2~64.4	24.5~71.2	1	150
SMB20J20CA~SMB20J58CA	SMB	Bi	2000	20~58	21.37~61.73	32.4~93.6	22.2~64.4	24.5~71.2	1	150
SMB20JS58CA	SMB	Bi	2000	58	21.37	93.6	64.4	71.2	5	150
SMLJ5.0A~SMLJ440A	SMC	Uni	3000	5~440	4.21~326	9.2~713	6.4~492	7~543	2~1000	175
SMLJ5.0CA~SMLJ440CA	SMC	Bi	3000	5~440	4.21~326	9.2~713	6.4~492	7~543	2~1000	175
3.0SMBJS58CA	SMB	Bi	3000	58	32.1	93.6	64.4	71.2	5	150
5.0SMLJ11A~5.0SMLJ400A	SMC	Uni	5000	11~400	7.7~275	18.2~648	12.2~447	13.5~494	5~800	175
5.0SMLJ11CA~5.0SMLJ400CA	SMC	Bi	5000	11~400	7.7~275	18.2~648	12.2~447	13.5~494	5~800	175
5.0SMLJ5.0AL~5.0SMLJ85AL	SMC	Uni	5000	5~85	36.5~543.6	9.2~137	6.4~94.4	7~104	2~1000	175
5.0SMLJ5.0CAL~5.0SMLJ85CAL	SMC	Bi	5000	5~85	36.5~543.6	9.2~137	6.4~94.4	7~104	2~1000	175
5KP22AL~5KP188AL	R-6	Uni	5000	22~188	15.2~141	35.5~328	24.4~209	26.9~231	2	150
5KP22CAL~5KP188CAL	R-6	Bi	5000	22~188	15.2~141	35.5~328	24.4~209	26.9~231	2	150
5KP5.0A~5KP440A	R-6	Uni	5000	5~440	7~543	9.2~713	6.4~492	7~543	10~5000	175
5KP5.0CA~5KP440CA	R-6	Bi	5000	5~440	7~543	9.2~713	6.4~492	7~543	10~5000	175
15KP17A~15KP280A	R-6	Uni	15000	17~280	33~512	29.3~452	18.9~311	20.79~342.4	10~5000	175
15KP17CA~15KP280CA	R-6	Bi	15000	17~280	33~512	29.3~452	18.9~311	20.79~342.4	10~5000	175
15KP17AL~15KP280AL	R-6	Uni	15000	17~280	33~512	29.3~452	18.9~311	20.79~342.4	10~5000	175
15KP17CAL~15KP280CAL	R-6	Bi	15000	17~280	33~512	29.3~452	18.9~311	20.79~342.4	10~5000	175
30KP28A~30KP288A	R-6	Uni	30000	28~288	64.5~606	50~469.9	31.28~321.7	34.24~352.2	10~5000	175
30KP28CA~30KP288CA	R-6	Bi	30000	28~288	64.5~606	50~469.9	31.28~321.7	34.24~352.2	10~5000	175
SMEJ58CA~SMEJ86CA	SME	Bi	-	58~86	10000	110~157	64~96	70~107	5	125
SMGJ80CA	SMG	Bi	-	80	2500	130	90	110	5	125
AK1-076C	AK1	Bi	-	76	1000	135	83	-	20	150
AK3-030C~AK3-430C	AK3	Bi	-	30~430	3000	90~625	32~440	-	20	150
AK6-058C~AK6-430C	AK6	Bi	-	58~430	6000	110~625	64~440	-	20	150
AK10-058C~AK10-430C	A10	Bi	-	58~430	10000	110~625	64~440	-	20	150
AK15-058C~AK15-076C	A15	Bi	-	58~76	15000	110~145	64~85	-	20	150
AK3-380C-Y~AK3-560C-Y	AK3-Y	Bi	-	380~560	3000	520~760	401~585	443~650	10	150
AK6-380C-Y~AK6-560C-Y	AK6-Y	Bi	-	380~560	6000	540~760	401~585	443~650	10	150
AK10-380C-Y~AK10-560C-Y	AK10-Y	Bi	-	380~560	10000	540~760	401~585	443~650	10	150

Silicon Carbide (SiC)

MCC's silicon carbide semiconductors deliver fast switching speed, low forward drop, and temperature stability, enabling a range of high-power and high-voltage applications. Our selection of SiC Schottky barrier diodes and SiC MOSFETs provide ruggedness, reliability, and wider bandgap, making them ideal for renewable energy systems and industrial automation.

Silicon Carbide (SiC)

PRODUCT

Silicon Carbide (SiC)

APPLICATION

Silicon Carbide (SiC)

Automotive Grade

Automotive SiC MOSFETs

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Drain-Source On-Resistance R_{DS}(ON)		Gate Source Voltage	Gate Threshold Voltage	Gate Threshold Voltage	Single Pulse Avalanche Energy	Pulsed Drain Current	Power Rating	Input Capacitance	Operating Junction Temperature
			V_{DS} (V)	I_D (A)	Max (mΩ)	@V_{GS}(V)	V_{GS} (V)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	E_{AS}(mJ)	I_{DM}(A)	P_D(W)	C_{iss}(pF)	T_j(°C)
SICW033N120Y4HE3	TO-247-4	N	1200	48	44	15	-8/+19	2	4	500	120	333	3456	175

※Pre-Release※

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Drain-Source On-Resistance R_{DS}(ON)		Gate Source Voltage	Gate Threshold Voltage	Gate Threshold Voltage	Single Pulse Avalanche Energy	Pulsed Drain Current	Power Rating	Input Capacitance	Operating Junction Temperature
			V_{DS} (V)	I_D (A)	Max (mΩ)	@V_{GS}(V)	V_{GS} (V)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	E_{AS}(mJ)	I_{DM}(A)	P_D(W)	C_{iss}(pF)	T_j(°C)
SICWZ025N120G3Q	TO-247-4	N	1200	80	30	18	-8/+22	2	4	1100	178	365	4710	175
SICW025N120G3Q	TO-247AB	N	1200	80	30	18	-8/+22	2	4	1100	178	365	4710	175

Automotive SBDs

Part Number	Package	Peak Repetitive Reverse Voltage	Average Forward Current	Peak Forward Surge Current	Forward Voltage	At Rated Forward Current	Reverse Voltage Leakage Current	Maximum DC Blocking Voltage	Power Dissipation	Operating Junction Temperature
		V_{RRM} (V)	$I_{F(AV)}$(A)	I_{FSM} (A)	V_F (V)	I_F (A)	I_R (uA)	V_R (V)	P_D(mW)	T_J(°C)
SICB2065XG5MQ	D2-PAK	650	20	380	1.3	20	25	650	250	175
SICX0165G4JQ	SMA	650	1	75	1.3	1	0.5	650	16.4	175
SICU02120G4JQ	DPAK	1200	2	20	1.6	2	20	1200	42	175
SICU05120G4JQ	DPAK	1200	5	40	1.6	5	25	1200	89	175
SICU10120XG4JQ	DPAK	1200	10	85	1.55	10	20	1200	156	175
SIC10120G4JQ	TO-220AC	1200	10	85	1.55	10	25	1200	130	175

※Pre-Release※

Part Number	Package	Peak Repetitive Reverse Voltage	Average Forward Current	Peak Forward Surge Current	Forward Voltage	At Rated Forward Current	Reverse Voltage Leakage Current	Maximum DC Blocking Voltage	Power Dissipation	Operating Junction Temperature
		V_{RRM} (V)	$I_{F(AV)}$(A)	I_{FSM} (A)	V_F (V)	I_F (A)	I_R (uA)	V_R (V)	P_D(mW)	T_J(°C)
SICB2065G4JQ	D2-PAK	650	20	135	1.6	20	25	650	130	175
SICB2065XG4JQ	D2-PAK	650	20	135	1.6	20	25	650	130	175
SICU0465G4JQ	DPAK	650	4	28	1.65	4	20	650	57	175
SICU0465XG4JQ	DPAK	650	4	28	1.65	4	20	650	57	175
SICU0865XG4JQ	DPAK	650	8	75	1.6	8	25	650	119	175
SICU1065G4JQ	DPAK	650	10	75	1.6	10	25	650	119	175
SICU1065XG4JQ	DPAK	650	10	75	1.6	10	25	650	119	175
SICF0465G4JQ	ITO-220AC	650	4	28	1.65	4	20	650	25	175
SIC0465G4JQ	TO-220AC	650	4	28	1.65	4	25	650	56	175
SIC3065G4JQ	TO-220AC	650	30	200	1.58	30	25	650	197	175
SICW2065DG4JQ	TO-247AB	650	20	75	1.6	10	25	650	227	175
SICW4065DG4JQ	TO-247AB	650	40	135	1.6	20	25	650	333	175
SICW6065DG4JQ	TO-247AB	650	60	200	1.58	30	25	650	468	175
SICWT1065G4JQ	TO-247AD	650	10	75	1.6	10	25	650	111	175
SICWT2065G4JQ	TO-247AD	650	20	135	1.6	20	25	650	168	175
SICWT3065G4JQ	TO-247AD	650	30	200	1.58	30	25	650	238	175
SICF02120G4JQ	ITO-220AC	1200	2	20	1.6	2	20	1200	23.8	175
SIC02120G4JQ	TO-220AC	1200	2	20	1.6	2	20	1200	47.5	175

Silicon Carbide (SiC)

SiC MOSFETs

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Drain-Source On-Resistance R_{DS}(ON)		Gate Source Voltage	Gate Threshold Voltage	Gate Threshold Voltage	Single Pulse Avalanche Energy	Pulsed Drain Current	Power Rating	Input Capacitance	Operating Junction Temperature
			V_{DS}(V)	I_D(A)	Max (mΩ)	@V_{GS}(V)	V_{GS}(V)	$V_{GS(th)}$(V) (Min)	$V_{GS(th)}$(V) (Max)	E_{AS}(mJ)	I_{DM}(A)	P_D(W)	C_{iss}(pF)	T_j(°C)
SICW080N120Y	TO-247	N	1200	38	85	18	-8/+22	2.3	3.6	-	80	220	890	175
SICW080N120Y4	TO-247-4	N	1200	39	85	18	-8/+22	2.3	3.6	-	80	223	890	175
SICW028N120A4	TO-247-4	N	1200	80	35	18	-5/+22	1.5	3	1620	320	375	3570	175
SICW021N120P4	TO-247-4L	N	1200	100	29.4	18	-10/+22	2	4.5	-	250	469	3741	175
SICW025N120Y	TO-247AB	N	1200	80	40	18	-8/+22	2	4	-		365	4710	175
SICW021N120P	TO-247AB	N	1200	100	29.4	18	-10/+22	2	4.5	-	250	469	3741	175
SICBG160N120A	TO-263-7L	N	1200	18	160	18	-5/+22	1.5	3	216	72	116	780	175
SICW1000N170A	TO-247AB	N	1700	3	1370	18	-5/+25	2.5	4.5	-	12	69	124	150
SICW400N170A	TO-247AB	N	1700	6	550	18	-5/+25	2	4.5	259	24	125	333	175
SICW1000N170Y	TO-247AB	N	1700	6.8	1200	20	-10/+27	2	4	150	21	100	227	175

SiC MOSFETs

※Pre-Release※

Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Drain-Source On-Resistance R_{DS}(ON)		Gate Source Voltage	Gate Threshold Voltage	Gate Threshold Voltage	Single Pulse Avalanche Energy	Pulsed Drain Current	Power Rating	Input Capacitance	Operating Junction Temperature
			V_{DS}(V)	I_D(A)	Max (mΩ)	@V_{GS}(V)	V_{GS}(V)	$V_{GS(th)}$(V) (Min)	$V_{GS(th)}$(V) (Max)	E_{AS}(mJ)	I_{DM}(A)	P_D(W)	C_{iss}(pF)	T_j(°C)
SICT025N075G3	T2PAK	N	750	85	27	18	-8/+22	2	4	975	265	230	4121	175
SICT035N075G3	T2PAK	N	750	62	33	18	-8/+22	2	4	964	230	205	3465	175
SIC070N075G3	TO-220AB	N	750	55	70	18	-8/+22	2	4	410	130	170	1598	175
SICWZ025N075G3	TO-247-4	N	750	107	27	18	-8/+22	2	4	975	265	365	4121	175
SICWZ035N075G3	TO-247-4	N	750	82	33	18	-8/+22	2	4	964	230	300	3465	175
SICWZ050N075G3	TO-247-4	N	750	68	52	18	-8/+22	2	4	627	145	230	2542	175
SICWZ070N075G3	TO-247-4	N	750	55	70	18	-8/+22	2	4	410	130	175	1598	175
SICW025N075G3	TO-247AB	N	750	107	35	18	-8/+22	2	4	975	265	365	4121	175
SICW035N075G3	TO-247AB	N	750	82	33	18	-8/+22	2	4	964	230	300	3465	175
SICW050N075G3	TO-247AB	N	750	68	52	18	-8/+22	2	4	627	145	230	2542	175
SICW070N075G3	TO-247AB	N	750	55	70	18	-8/+22	2	4	410	130	175	1598	175
SICTL025N075G3	TOLL-8L-KS	N	750	90	27	18	-8/+22	2	4		265	258	4121	175
SICWZ025N120G3	TO-247-4	N	1200	80	30	18	-8/+22	2	4	1100	178	365	4710	175
SICWZ040N120G3	TO-247-4	N	1200	67	42	18	-8/+22	2	4	870	180	333	3362	175
SICWZ060N120G3	TO-247-4	N	1200	46	66	18	-8/+22	2	4	534	90	214	2138	175
SICWZ080N120G3	TO-247-4	N	1200	35	92	18	-8/+22	2	4	402	85	175	1665	175
SICWZ120N120G3	TO-247-4	N	1200	21	145	18	-8/+22	2	4	227	57	125	1066	175
SICW040N120G3	TO-247AB	N	1200	67	42	18	-8/+22	2	4	870	180	333	3362	175
SICW060N120G3	TO-247AB	N	1200	46	66	18	-8/+22	2	4	534	90	214	2138	175
SICW080N120G3	TO-247AB	N	1200	35	92	18	-8/+22	2	4	402	85	175	1665	175
SICW120N120G3	TO-247AB	N	1200	24	145	18	-8/+22	2	4	230	57	125	1066	175
SICW160N120G3	TO-247AB	N	1200	19	200	18	-8/+22	2	4	120	43	95	836	175
SICW320N120G3	TO-247AB	N	1200	12	377	18	-8/+22	2	4	90	17	92.6	470	175
SICBG025N120G3	TO-263-7L(A)	N	1200	64	30	18	-8/+22	2	4	1100	172	211	4710	175
SICBG040N120G3	TO-263-7L(A)	N	1200	57	42	18	-8/+22	2	4	870	172	234	3362	175
SICBG080N120G3	TO-263-7L(A)	N	1200	29	92	18	-8/+22	2	4	402	85	116	1665	175
SICBG120N120G3	TO-263-7L(A)	N	1200	21	145	18	-8/+22	2	4	230	57	104	1066	175
SICBG160N120G3	TO-263-7L(A)	N	1200	18.5	200	18	-8/+22	2	4	120	43	98	836	175
SICBG320N120G3	TO-263-7L(A)	N	1200	11	377	18	-8/+22	2	4	90	17	71	470	175

Silicon Carbide (SiC)

SiC Schottky Barrier Diodes

Part Number	Package	Peak Repetitive Reverse Voltage	Average Forward Current	Peak Forward Surge Current	Forward Voltage	At Rated Forward Current	Reverse Voltage Leakage Current	Maximum DC Blocking Voltage	Power Dissipation	Operating Junction Temperature
		V_{RRM} (V)	$I_{F(AV)}$ (A)	I_{FSM} (A)	V_F (V)	I_F (A)	I_R (uA)	V_R (V)	P_D (mW)	T_J (°C)
SICB0660Y	D2-PAK	650	6	175	1.5	6	25	650	84	175
SICB0665G5M	D2-PAK	650	6	65	1.55	6	25	650	75	175
SICB0860P	D2-PAK	650	8	70	1.55	8	25	650	136	175
SICB1060P	D2-PAK	650	10	80	1.55	10	25	650	136	175
SICB1065G4J	D2-PAK	650	10	75	1.6	10	25	650	107	175
SICB2060Y	D2-PAK	650	20	160	1.55	20	25	650	144	175
SICB2065G4J	D2-PAK	650	20	135	1.6	20	25	650	130	175
SICB2065XG5M	D2-PAK	650	20	380	1.3	20	25	650	250	175
SICB5060XY	D2-PAK	650	50	380	1.6	50	25	650	375	175
SIC0860PL8	DFN8080A	650	8	80	1.55	8	25	650	70	175
SIC1060PL8	DFN8080A	650	10	80	1.55	10	25	650	70	175
SICU0260B	DPAK	650	2	22	1.6	2	10	650	60	175
SICU0460B	DPAK	650	4	34	1.8	4	15	650	60	175
SICU0465G4J	DPAK	650	4	28	1.65	4	20	650	57	175
SICU0465XG4J	DPAK	650	4	28	1.65	4	20	650	57	175
SICU0660P	DPAK	650	6	65	1.5	6	25	650	100	175
SICU0860P	DPAK	650	8	70	1.55	8	25	650	132	175
SICU1060P	DPAK	650	10	80	1.55	10	25	650	132	175
SICU1060XY	DPAK	650	10	70	1.55	10	25	650	132	175
SICU1065G4J	DPAK	650	10	75	1.6	10	25	650	119	175
SICU1065XG4J	DPAK	650	10	75	1.6	10	25	650	119	175
SICF0465Y	ITO-220AC	650	4	28	1.65	4	20	650	25	175
SICF0660Y	ITO-220AC	650	6	65	1.5	6	25	650	31	175
SICF0860P	ITO-220AC	650	8	70	1.55	8	25	650	43	175
SICF1060P	ITO-220AC	650	10	80	1.55	10	25	650	43	175
SICF2060Y	ITO-220AC	650	20	160	1.55	20	25	650	47	175
SIC0260Y	TO-220AC	650	2	20	1.6	2	10	650	45	175
SIC0465Y	TO-220AC	650	4	28	1.65	4	25	650	56	175
SIC0660P	TO-220AC	650	6	65	1.5	6	25	650	84	175
SIC0665G4J	TO-220AC	650	6	75	1.4	6	25	650	110	175
SIC0665G5M	TO-220AC	650	6	60	1.55	6	25	650	80	175
SIC0860P	TO-220AC	650	8	70	1.55	8	25	650	136	175
SIC0865G4J	TO-220AC	650	8	75	1.6	8	25	650	110	175
SIC1060P	TO-220AC	650	10	80	1.55	10	25	650	136	175
SIC1065G4J	TO-220AC	650	10	75	1.6	10	25	650	110	175
SIC1065G5M	TO-220AC	650	10	60	1.7	10	25	650	80	175
SIC2060Y	TO-220AC	650	20	160	1.55	20	25	650	170	175
SIC3065G4J	TO-220AC	650	30	200	1.6	30	25	650	197	175
SICPT2060DY	TO-247AB	650	20	70	1.55	20	25	650	112	175
SICPT2065DY	TO-247AB	650	20	75	1.6	10	25	650	227	175
SICW2065DG5M	TO-247AB	650	20	65	1.7	20	25	650	172	175
SICW3065DG5M	TO-247AB	650	30	160	1.6	15	25	650	267	175
SICPT4060DY	TO-247AB	650	40	160	1.55	40	25	650	365	175
SICW4065DG4J	TO-247AB	650	40	135	1.6	20	25	650	333	175

SiC Schottky Barrier Diodes

Part Number	Package	Peak Repetitive Reverse Voltage	Average Forward Current	Peak Forward Surge Current	Forward Voltage	At Rated Forward Current	Reverse Voltage Leakage Current	Maximum DC Blocking Voltage	Power Dissipation	Operating Junction Temperature
		V_{RRM} (V)	$I_{F(AV)}$ (A)	I_{FSM} (A)	V_F (V)	I_F (A)	I_R (uA)	V_R (V)	P_D (mW)	T_J (°C)
SICW4065DG5M	TO-247AB	650	40	160	1.65	20	25	650	267	175
SICPT6065DY	TO-247AB	650	60	200	1.58	10	25	650	469	175
SICPT1060Y	TO-247AD	650	10	70	1.55	10	5	650	126	175
SICWT1065G4J	TO-247AD	650	10	75	1.6	10	25	650	111	175
SICPT2060Y	TO-247AD	650	20	160	1.55	20	25	650	187	175
SICPT2065Y	TO-247AD	650	20	135	1.6	20	25	650	168	175
SICPT3060Y	TO-247AD	650	30	180	1.65	30	25	650	187	175
SICWT3065G4J	TO-247AD	650	30	200	1.58	30	25	650	238	175
SICPT5060Y	TO-247AD	650	50	380	1.6	50	25	650	454	175
SICWT5065G5M	TO-247AD	650	50	380	1.7	50	25	650	288	175
SICB10120G4J	D2-PAK	1200	10	85	1.6	10	25	1200	136	175
SICB10120XG4J	D2-PAK	1200	10	85	1.6	10	25	1200	136	175
SICB10120Y	D2-PAK	1200	10	85	1.54	10	13	1200	158	175
SICB10120YA	D2-PAK	1200	10	85	1.54	10	13	1200	158	175
SICB20120Y	D2-PAK	1200	20	160	1.55	20	25	1200	333	175
SICU02120B	DPAK	1200	2	27	1.7	2	10	1200	63	175
SICU02120G4J	DPAK	1200	2	20	1.6	2	20	1200	42	175
SICU05120G4J	DPAK	1200	5	40	1.6	5	25	1200	89	175
SICU10120Y	DPAK	1200	10	85	1.54	10	13	1200	189	175
SICF02120Y	ITO-220AC	1200	2	20	1.6	2	20	1200	23.8	175
SICF10120Y	ITO-220AC	1200	10	85	1.54	10	13	1200	36	175
SIC02120Y	TO-220AC	1200	2	20	1.6	2	20	1200	47.5	175
SIC05120G4J	TO-220AC	1200	5	40	1.6	5	25	1200	82	175
SIC10120G4J	TO-220AC	1200	10	85	1.55	10	25	1200	130	175
SIC10120Y	TO-220AC	1200	10	85	1.54	10	13	1200	170	175
SIC15120Y	TO-220AC	1200	15	140	1.45	15	25	1200	240	175
SIC20120Y	TO-220AC	1200	20	160	1.55	20	25	1200	241	175
SICW10120DG4J	TO-247AB	1200	10	40	1.6	5	25	1200	164	175
SICPT20120DY	TO-247AB	1200	20	85	1.54	20	13	1200	267	175
SICW20120DG4J	TO-247AB	1200	20	85	1.6	10	25	1200	288	175
SICPT30120DY	TO-247AB	1200	30	144	1.45	30	25	1200	319	175
SICW30120DG4J	TO-247AB	1200	30	160	1.45	15	25	1200	454	175
SICW30120DG5M	TO-247AB	1200	30	180	1.6	15	25	1200	265	175
SICPT40120DY	TO-247AB	1200	40	160	1.55	40	25	1200	319	175
SICW40120DG4J	TO-247AB	1200	40	160	1.6	20	25	1200	454	175
SICW40120DG5M	TO-247AB	1200	40	180	1.7	20	25	1200	365	175
SICW60120DG4J	TO-247AB	1200	60	235	1.58	30	25	1200	577	175
SICPT10120Y	TO-247AD	1200	10	85	1.54	10	13	1200	266	175
SICPT15120Y	TO-247AD	1200	15	144	1.45	15	25	1200	319	175
SICWT15120G5M	TO-247AD	1200	15	180	1.6	15	25	1200	187	175
SICPT20120Y	TO-247AD	1200	20	160	1.55	20	25	1200	319	175
SICWT20120G4J	TO-247AD	1200	20	160	1.6	20	25	1200	230	175
SICWT20120G6M	TO-247AD	1200	20	200	1.6	20	25	1200	205	175
SICPT30120YA	TO-247AD	1200	30	225	1.58	30	30	1200	416	175

Silicon Carbide (SiC)

SiC Schottky Barrier Diodes

Part Number	Package	Peak Repetitive Reverse Voltage	Average Forward Current	Peak Forward Surge Current	Forward Voltage	At Rated Forward Current	Reverse Voltage Leakage Current	Maximum DC Blocking Voltage	Power Dissipation	Operating Junction Temperature
		V_{RRM} (V)	$I_{F(AV)}$ (A)	I_{FSM} (A)	V_F (V)	I_F (A)	I_R (uA)	V_R (V)	P_D (mW)	T_J (°C)
SICPT30120YB	TO-247AD	1200	30	250	1.75	30	33	1200	326	175
SICWT30120G4J	TO-247AD	1200	30	235	1.6	30	25	1200	294	175
SICPT40120Y	TO-247AD	1200	40	300	1.6	40	20	1200	573	175
SICPT40120YA	TO-247AD	1200	40	280	1.58	40	38	1200	440	175
SICWT40120G6M	TO-247AD	1200	40	330	1.65	40	25	1200	348	175
SICPT60120Y	TO-247AD	1200	60	471	1.62	60	30	1200	789	175
SICWT60120G6M	TO-247AD	1200	60	470	1.65	60	25	1200	500	175
SICPT25170P	TO-247AD	1700	25	191	1.8	25	100	1700	294	175

※Pre-Release※

Part Number	Package	Peak Repetitive Reverse Voltage	Average Forward Current	Peak Forward Surge Current	Forward Voltage	At Rated Forward Current	Reverse Voltage Leakage Current	Maximum DC Blocking Voltage	Power Dissipation	Operating Junction Temperature
		V_{RRM} (V)	$I_{F(AV)}$ (A)	I_{FSM} (A)	V_F (V)	I_F (A)	I_R (uA)	V_R (V)	P_D (mW)	T_J (°C)
SICB1065G5M	D2-PAK	650	10	65	1.75	10	25	650	75	175
SICB2065XG4J	D2-PAK	650	20	135	1.6	20	25	650	130	175
SICB3065G4J	D2-PAK	650	30	190	1.6	30	25	650	130	175
SICB5065XG5M	D2-PAK	650	50	380	1.7	50	25	650	250	175
SICU0865XG4J	DPAK	650	8	75	1.6	8	25	650	119	175
SICU2065XG5M	DPAK	650	20	160	1.65	20	25	650	156	175
SIC0465G5M	TO-220AC	650	4	60	1.35	4	20	650	80	175
SIC2065G4J	TO-220AC	650	20	135	1.6	20	25	650	153	175
SIC1565G5M	TO-220AC	650	15	160	1.55	15	25	650	151	175
SIC2065G5M	TO-220AC	650	20	160	1.65	20	25	650	151	175
SICB20120G4J	D2-PAK	1200	20	160	1.55	20	25	1200	172	175
SICB20120XG4J	D2-PAK	1200	20	160	1.55	20	25	1200	172	175
SICF15120G5M	ITO-220AC	1200	15	150	1.6	15	25	1200	45	175
SIC08120G5M	TO-220AC	1200	8	80	1.65	8	25	1200	101	175
SIC15120G5M	TO-220AC	1200	15	180	1.6	15	25	1200	161	175
SIC20120G5M	TO-220AC	1200	20	180	1.7	20	25	1200	161	175
SICW40120G4J	TO-247AB	1200	40	260	1.58	40	25	1200	357	175
SICW80120DG4J	TO-247AB	1200	80	260	1.65	40	25	1200	714	175
SICW60120DG5M	TO-247AB	1200	60	320	1.6	30	25	1200	535	175
SICWT10120G4J	TO-247AD	1200	10	85	1.55	10	25	1200	145	175
SICWT20120G5M	TO-247AD	1200	20	180	1.7	20	25	1200	187	175
SICWT40120G4J	TO-247AD	1200	40	260	1.65	40	25	1200	357	175
SICWT30120G6M	TO-247AD	1200	30	290	1.65	30	25	1200	333	175
SICWT30120G5M	TO-247AD	1200	30	320	1.6	30	25	1200	277	175
SICWT60120G4J	TO-247AD	1200	60	390	1.6	60	25	1200	500	175
SICWT40120G5M	TO-247AD	1200	40	400	1.6	40	25	1200	300	175
SIC10170G5M	TO-220AC	1700	10	160	1.6	10	25	1700	208	175

SiC MOSFET Modules

※Pre-Release※

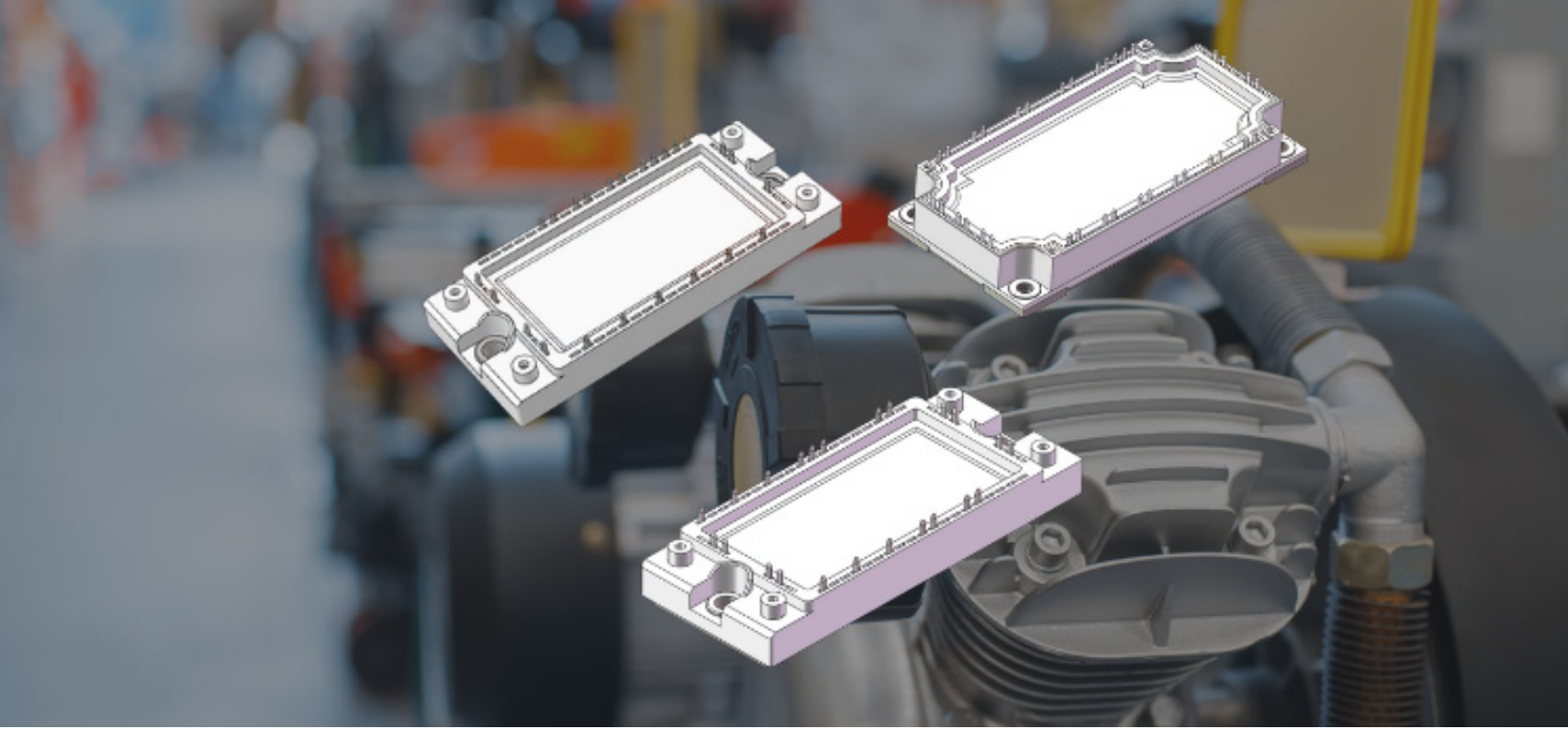
Part Number	Package	Channel	Drain-Source Voltage	Drain Current	Drain-Source On-Resistance R_{DS}(ON)		Gate Source Voltage	Gate Threshold Voltage	Gate Threshold Voltage	Diode Forward Voltage	Pulsed Drain Current	Power Rating	Input Capacitance	Operating Junction Temperature
			V_{DS}(V)	I_D (A)	Max (mΩ)	@V_{GS}(V)	V_{GS} (V)	$V_{GS(th)}$ (V) (Min)	$V_{GS(th)}$ (V) (Max)	V_{SD}(mJ)	I_{DM}(V)	P_D(W)	C_{iss} (pF)	T_j(°C)
SICMC17D0N120G3H	C1	N	1200	180	9	18	-10/+22	2	4	5.3	280	430	8.471	175
SICSC2A4D0N120G3H	C2A	N	1200	400	5	18	-10/+22	2	4	1.51	630	1120	6.86	175

Silicon Carbide (SiC)

※Pre-Release※

SiC Schottky Diode Modules

Part Number	Package	Peak Repetitive Reverse Voltage	Average Forward Current	Peak Forward Surge Current	Forward Voltage	At Rated Forward Current	Reverse Voltage Leakage Current	Maximum DC Blocking Voltage	Power Dissipation	Operating Junction Temperature
		V_{RRM} (V)	$I_{F(AV)}$(A)	I_{FSM} (A)	V_F (V)	I_F (A)	I_R (uA)	V_R (V)	P_D(mW)	T_J(°C)
SICDFJ6X180065G4P	FJ	650	2X90	350	1.8	90	100	650	245	175
SICDST4X200065G5P	ST	650	2X100	680	1.7	100	100	650	265	175
SICDST6X120065G4P	ST	650	2X60	350	1.7	60	100	650	245	175
SICDST6X180065G4P	ST	650	2X90	680	1.7	90	100	650	265	175
SICDF212X480120G4Z	F2	1200	480	3240	1.7	480	300	1200	1400	175
SICDFJ2X60120G4P	FJ	1200	2X30	215	1.7	30	100	1200	155	175
SICDFJ4X120120G4P	FJ	1200	2X60	430	1.7	60	100	1200	250	175
SICDFJ4X80120G4P	FJ	1200	2X40	285	1.7	40	100	1200	225	175
SICDFJ6X200120G4P	FJ	1200	2X100	650	1.7	100	100	1200	305	175
SICDST2X60120G4P	ST	1200	2X30	215	1.7	30	100	1200	155	175
SICDST4X120120G4P	ST	1200	2X60	430	1.7	60	100	1200	250	175
SICDST4X80120G4P	ST	1200	2X40	285	1.7	40	100	1200	225	175
SICDST6X200120G4P	ST	1200	2X100	650	1.7	100	100	1200	305	175
SICRF210X150170G5D	F2	1700	150	1090	2	150	2500	1700	585	175
SICRFJ4X30170G5LV	FJ	1700	30	215	1.95	30	500	1700	185	175
SICRST4X80170G5P	ST	1700	2X40	405	1.8	40	100	1700	265	175



Insulated Gate Bipolar Transistor(IGBT)

Insulated gate bipolar transistors are essential for high-voltage power in various demanding applications. MCC's IGBT portfolio includes several efficient and reliable options with high current densities. Ideal for industrial, renewable energy, and automotive devices and systems, our solutions are proven to perform.

IGBT

PRODUCT

IGBT

APPLICATION

IGBT

Automotive Grade

Automotive IGBT Discrete

Part Number	Package	Number of Functions	Collector-Emitter Voltage	DC Collector Current @ Tc=100°C	Collector-Emitter Saturation Voltage	Turn-On Energyy@Tj=25°C	Turn-Off Energyy@Tj=25°C	Power Rating	Operating Junction Temperature
			V_{CE} (V)	I_C (A)	V_{CE}(sat) (V)	E_{on}(mj)	E_{off}(mj)	P_D(W)	T_j(°C) Max
MIS80N120NT1YHE3	STO-220	Single	1200	80	1.65	7.5	4.6	735	150
MIW40N120AT1YHE3	TO-247AB	Single	1200	40	1.95	3.92	2.53	319	175
MIW40N120FLAHE3	TO-247AB	Single	1200	40	2.3	3.8	1.7	428	175
MIW80N120BT1YHE3	TO-247AB	Single	1200	80	2.3	7.8	5.5	521	150
MIW80N120NT1YHE3	TO-247AB	Single	1200	80	2.3	7.5	4.6	521	150

IGBT Discrete

Part Number	Package	Number of Functions	Collector-Emitter Voltage	DC Collector Current @ Tc=100°C	Collector-Emitter Saturation Voltage	Turn-On Energyy@Tj=25°C	Turn-Off Energyy@Tj=25°C	Power Rating	Operating Junction Temperature
			V_{CE} (V)	I_C (A)	V_{CE}(sat) (V)	E_{on}(mj)	E_{off}(mj)	P_D(W)	T_J(°C) Max
MIB10N65AT0Y	D2-PAK	Single	650	10	1.7	0.36	0.17	100	175
MIB15N65AT0Y	D2-PAK	Single	650	15	1.7	0.33	0.16	110	175
MIB20N65AT0Y	D2-PAK	Single	650	20	1.95	0.41	0.22	120	175
MIB30N65AT1Y	D2-PAK	Single	650	30	1.95	1.37	0.63	136	175
MIF10N65AT0Y	ITO-220AB	Single	650	8	1.7	0.36	0.17	31	175
MIF15N65AT0Y	ITO-220AB	Single	650	10	1.7	0.33	0.16	34	175
MIF15N65AT1Y	ITO-220AB	Single	650	15	2.15	0.33	0.22	45	175
MIF20N65AT0Y	ITO-220AB	Single	650	15	1.95	0.41	0.22	37	175
MIF20N65AT1Y	ITO-220AB	Single	650	20	1.9	0.36	0.25	55	175
MIP10N65AT0Y	TO-220AB	Single	650	10	1.7	0.36	0.17	100	175
MIP15N65AT0Y	TO-220AB	Single	650	15	1.7	0.33	0.16	110	175
MIP20N65AT0Y	TO-220AB	Single	650	20	1.95	0.41	0.22	120	175
MIZ75N65AH2Y	TO-247-4	Single	650	80	2.1	2.61	0.76	428	175
MIW30N65AH1Y	TO-247AB	Single	650	30	2.4	1.14	0.73	187	175
MIW30N65AT2Y	TO-247AB	Single	650	30	1.75	0.91	0.72	187	175
MIW30N65FA	TO-247AB	Single	650	30	2.4	1.35	0.45	187	175
MIW30N65FLA	TO-247AB	Single	650	30	2.2	1.5	0.8	187	175
MIW40N65AH2Y	TO-247AB	Single	650	40	1.95	1.94	0.51	214	175
MIW40N65AT0Y	TO-247AB	Single	650	40	1.85	1.31	0.61	187	175
MIW40N65AT2Y	TO-247AB	Single	650	40	1.9	1.34	0.91	187	175
MIW40N65RA	TO-247AB	Single	650	40	2.4	1.6	0.88	306	175
MIW50N65AH2Y	TO-247AB	Single	650	50	1.9	2.05	0.36	283	175
MIW50N65AT1Y	TO-247AB	Single	650	50	1.8	3.18	1.25	306	175
MIW50N65AS2Y	TO-247AB	Single	650	60	1.7	1.89	0.55	283	175
MIW50N65F	TO-247AB	Single	650	60	1.95	1.62	0.85	326	175
MIW60N65AS2Y	TO-247AB	Single	650	60	1.8	2.47	0.67	283	175
MIW75N65AH2Y	TO-247AB	Single	650	80	2.1	3.26	0.84	428	175
MIW75N65AS2Y	TO-247AB	Single	650	80	1.75	3.12	1.11	428	175
MIW100N65AS1Y	TO-247AB	Single	650	100	1.8	4	1.1	535	175
MIW100N65AT1Y	TO-247AB	Single	650	100	1.7	4	2.4	535	175
MIW15N120FA	TO-247AB	Single	1200	15	2.3	2.2	1.3	200	175
MIW25N120FA	TO-247AB	Single	1200	25	2.3	2.8	2.4	326	175
MIW40N120AH2Y	TO-247AB	Single	1200	40	1.95	2.29	1.12	288	175
MIW40N120FLA	TO-247AB	Single	1200	40	2.3	3.8	1.7	428	175
MIW50N120AT1Y	TO-247AB	Single	1200	50	1.85	4.02	2.66	468	175
MIWP75N120AT1Y	TO-247Plus	Single	1200	75	1.9	8.5	5.1	645	175
MIWP75N120DH1Y	TO-247Plus	Single	1200	75	2.5	7.7	2.2	600	175

IGBT

※Pre-Release※

IGBT Discrete

Part Number	Package	Number of Functions	Collector-Emitter Voltage	DC Collector Current @ Tc=100°C	Collector-Emitter Saturation Voltage	Turn-On Energyy@Tj=25°C	Turn-Off Energyy@Tj=25°C	Power Rating	Operating Junction Temperature
			V_{CE} (V)	I_C (A)	V_{CE}(sat) (V)	E_{on}(mj)	E_{off}(mj)	P_D(W)	T_j(°C) Max
MIB10N65AT1Y	D2-PAK	Single	650	10	2.15	0.19	0.17	115	175
MIF10N65AT1Y	ITO-220AB	Single	650	10	2.15	0.19	0.17	35	175
MIP10N65AT1Y	TO-220AB	Single	650	10	2.15	0.19	0.17	115	175
MIP15N65AT1Y	TO-220AB	Single	650	15	2.15	0.33	0.22	150	175
MIP20N65AT1Y	TO-220AB	Single	650	20	1.9	0.36	0.25	187	175
MIZ50N65AH2Y	TO-247-4	Single	650	50	1.9	2.05	0.36	283	175
MIZ50N65AS2Y	TO-247-4	Single	650	60	1.7	1.51	0.49	283	175
MIZ75N65AS2Y	TO-247-4	Single	650	80	1.75	2.49	0.99	428	175
MIZ75N65CH2Y	TO-247-4	Single	650	80	2.1	2.61	0.76	428	175
MIZ75N65CS2Y	TO-247-4	Single	650	80	1.75	2.49	0.99	428	175
MIW10N65AT1Y	TO-247AB	Single	650	10	2.15	0.19	0.17	115	175
MIW15N65AT1Y	TO-247AB	Single	650	15	2.15	0.33	0.22	150	175
MIW20N65AT0Y	TO-247AB	Single	650	20	1.95	0.41	0.22	120	175
MIW20N65AT1Y	TO-247AB	Single	650	20	1.9	0.36	0.25	176	175
MIW40N65AS1Y	TO-247AB	Single	650	40	2.1	2.11	0.82	187	175
MIW40N65NT0Y	TO-247AB	Single	650	40	1.95	1.27	0.46	187	175
MIW50N65AT2Y	TO-247AB	Single	650	50	1.75	2.27	1.09	333	175
MIW60N65AH2Y	TO-247AB	Single	650	60	2	2.64	0.45	283	175
MIW60N65BH0Y	TO-247AB	Single	650	60	2.15	1.81	0.73	267	175
MIW75N65CS2Y	TO-247AB	Single	650	75	1.75	2.18	3.29	428	175
MIW75N65AH2YS	TO-247AB	Single	650	80	2.1	3.26	0.84	428	175
MIW75N65AS2YS	TO-247AB	Single	650	80	1.75	3.12	1.11	428	175
MIW75N65AT0Y	TO-247AB	Single	650	80	1.9	3.51	1.43	469	175
MIW75N65AT1YA	TO-247AB	Single	650	80	2	3.7	1.63	330	175
MIWP100N65AS1Y	TO-247Plus	Single	650	100	1.7	4	1.1	428	175
MIWP100N65AT1Y	TO-247Plus	Single	650	100	1.6	4	2.4	428	175
MIWP160N65AS2Y	TO-247Plus	Single	650	160	1.85	5.75	3.69	714	175
MIBB15N120AT1Y	T2PAK	Single	1200	15	2.05	0.8	1.1	153	175
MIBB25N120AT1Y	T2PAK	Single	1200	25	2.1	1.8	1.7	226	175
MIW15N120AT1Y	TO-247AB	Single	1200	15	2.05	0.8	1.1	153	175
MIW25N120AT1Y	TO-247AB	Single	1200	25	2.1	1.8	1.7	226	175
MIW40N120AH0Y	TO-247AB	Single	1200	40	2.3	4.6	1.33	500	175
MIW40N120AT1Y1	TO-247AB	Single	1200	40	1.95	3.92	2.53	320	175
MIWP75N120AH0Y	TO-247Plus	Single	1200	75	2.4	9.5	3.2	750	175
MIWP75N120AH1YA	TO-247Plus	Single	1200	75	1.9	5.25	1.87	535	175
MIWP75N120AT0Y	TO-247Plus	Single	1200	75	2.2	9.9	3.9	750	175
MIWP140N120AH1Y	TO-247Plus	Single	1200	140	2.05	13.3	4.9	937	175
MIL50N120AT0Y	TO-264	Single	1200	50	2.1	7.31	2.93	500	175
MIL75N120AT1Y	TO-264	Single	1200	75	1.9	12.6	6.9	555	175

IGBT Modules

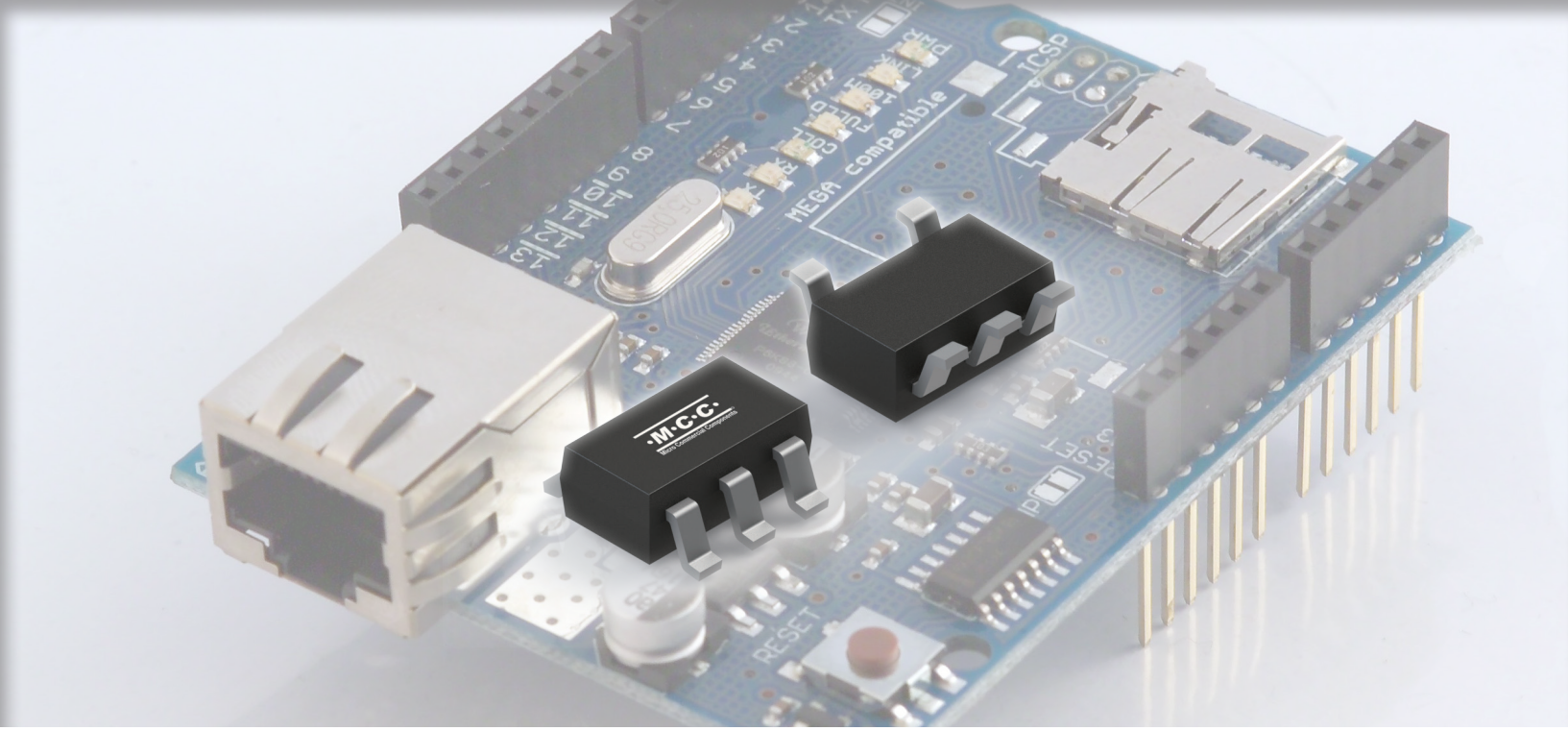
Part Number	Package	Number of Functions	Collector-Emitter Voltage	DC Collector Current @ Tc=100°C	Collector-Emitter Saturation Voltage	Turn-On Energyy@Tj=25°C	Turn-Off Energyy@Tj=25°C	Power Rating	Operating Junction Temperature
			V_{CES}(V)	I_C (A)	V_{CE}(sat) (V)	E_{on}(mj)	E_{off}(mj)	P_{tot}(W)	T_j(°C) Max
MIF400R065C2TL	C2(62mm)	Half Bridge	650	400	1.7	6.1	8.5	1250	175
MIF75R12C1PF	C1(34mm)	Half Bridge	1200	75	3	13.4	5.8	657	150
MIF75R12C1TL	C1(34mm)	Half Bridge	1200	75	1.85	9.7	7	530	175
MIF100R12C1PF	C1(34mm)	Half Bridge	1200	100	3	15.8	5.9	675	150
MIF100R12C1TF	C1(34mm)	Half Bridge	1200	100	2	8.12	7.63	789	175
MIF100R12C1TL	C1(34mm)	Half Bridge	1200	100	1.85	11.65	10.9	785	175
MIF150R12C1TL	C1(34mm)	Half Bridge	1200	150	1.85	19.7	16.5	968	175
MIF150R12C2TL	C2(62mm)	Half Bridge	1200	150	1.85	18	7.9	833	175
MIF200R12C2TF	C2(62mm)	Half Bridge	1200	200	2.1	33.4	12.3	1250	175
MIF200R12C2TL	C2(62mm)	Half Bridge	1200	200	1.85	21.1	12.9	1250	175
MIF300R12C2TL	C2(62mm)	Half Bridge	1200	300	1.85	37.1	20.6	1600	175
MIF450R12C2TL	C2(62mm)	Half Bridge	1200	450	1.9	23.2	28.5	2307	175
MIF600R12C2TL	C2(62mm)	Half Bridge	1200	600	2.5	90	46.6	3480	175
MIP15R12E1TN	E1	PIM three phase input rectifier	1200	15	1.85	1.42	0.78	142	175
MIP40R12E1TN	E1	PIM three phase input rectifier	1200	40	1.9	3.97	2.64	227	175
MIP35R12E1AML	E1A	PIM three phase input rectifier	1200	35	1.7	2.2	2.2	157	175
MIP35R12E1ATN	E1A	PIM three phase input rectifier	1200	35	1.85	3.48	1.65	227	175
MIP50R12E1AML	E1A	PIM three phase input rectifier	1200	50	1.7	5.5	3.4	240	175
MIP50R12E1ATN	E1A	PIM three phase input rectifier	1200	50	1.9	5.92	3.39	288	175
MIP75R12E1AML	E1A	PIM three phase input rectifier	1200	75	1.6	7.89	6.26	319	175
MIP50R12E2TN	E2	PIM three phase input rectifier	1200	50	1.9	3.5	2.43	288	175
MIP75R12E2ML	E2	PIM three phase input rectifier	1200	75	1.6	3.4	5.8	319	175
MIP75R12E2TN	E2	PIM three phase input rectifier	1200	75	1.95	4.71	5.45	470	175
MIP100R12E2TN	E2	PIM three phase input rectifier	1200	100	1.85	9.2	5.8	555	175
MIP50R12E2ATN	E2A	PIM three phase input rectifier	1200	50	1.9	5.92	3.39	288	175
MIP75R12E2ATN	E2A	PIM three phase input rectifier	1200	75	1.95	4.71	5.45	470	175
MIF225R12E3TL	E3	Half Bridge	1200	225	6.4	22.6	9.1	1540	175
MIF300R12E3TL	E3	Half Bridge	1200	300	6.4	26.3	21.6	1850	175
MIF450R12E3TL	E3	Half Bridge	1200	450	1.85	52.1	38.2	2340	175
MIF600R12E3TL	E3	Half Bridge	1200	600	1.5	20	90	3260	175
MIUZ100R12GJTL	GJ(SOT-227)	Single w/o FWD	1200	100	2.25	13.5	7	535	175
MIP15R12P2STN	P2S	PIM three phase input rectifier	1200	15	1.9	1.98	0.99	155	175
MIP25R12P2SML	P2S	PIM three phase input rectifier	1200	25	1.6	1.42	1.72	150	175
MITF35R12P2STL	P2S	Sixpack	1200	35	2.05	2.05	2.21	230	175
MIP35R12P3STN	P3S	PIM three phase input rectifier	1200	35	1.82	4.45	1.95	150	175

IGBT

※Pre-Release※

IGBT Modules

Part Number	Package	Number of Functions	Collector-Emitter Voltage	DC Collector Current @ Tc=100°C	Collector-Emitter Saturation Voltage	Turn-On Energyy@Tj=25°C	Turn-Off Energyy@Tj=25°C	Power Rating	Operating Junction Temperature
			V_{CES}(V)	I_C (A)	V_{CE}(sat) (V)	E_{on}(mj)	E_{off}(mj)	P_{tot}(W)	T_j(°C) Max
MIF100R65C1TL	C1(34mm)	Half Bridge	650	100	1.45	4.4	2.6	416	175
MIF150R65C1TL	C1(34mm)	Half Bridge	650	150	1.8	1.05	3.72	468	175
MIF300R65C2TL	C2(62mm)	Half Bridge	650	300	2.1	3.5	7.4	833	175
MIF600R65C2TL	C2(62mm)	Half Bridge	650	600	1.55	29.1	20.5	2500	175
MIF50R12C1TF	C1(34mm)	Half Bridge	1200	50	2.1	1.56	1.82	288	175
MIF50R12C1TL	C1(34mm)	Half Bridge	1200	50	1.95	11	3.1	480	175
MIF75R12C1TF	C1(34mm)	Half Bridge	1200	75	2.1	6.4	3	530	175
MIF150R12C2TF	C2(62mm)	Half Bridge	1200	150	2.6	16.5	6.5	785	175
MIF200R12C2LE	C2(62mm)	Half Bridge	1200	200	3.1	32.8	8.5	1700	175
MIF300R12C2LE	C2(62mm)	Half Bridge	1200	300	3.3	23.2	8.5	1388	175
MIF300R12C2TF	C2(62mm)	Half Bridge	1200	300	2.6	29.4	16.8	1700	175
MIP10R12E1TN	E1	PIM three phase input rectifier	1200	10	2.6	1.16	0.78	120	175
MIP25R12E1ML	E1	PIM three phase input rectifier	1200	25	1.6	1.83	1.65	154	175
MIP40R12E1ML	E1	PIM three phase input rectifier	1200	40	1.7	2.3	2.2	157	175
MIP50R12E2ML	E2	PIM three phase input rectifier	1200	50	1.7	5.5	3.4	272	175
MIP100R12E2ML	E2	PIM three phase input rectifier	1200	100	1.6	5.96	8.09	405	175
MIP150R12E2ML	E2	PIM three phase input rectifier	1200	150	1.67	14.3	10.8	535	175
MIP150R12E2TN	E2	PIM three phase input rectifier	1200	150	2.5	13.2	12.7	785	175
MIP50R12E2AML	E2A	PIM three phase input rectifier	1200	50	1.7	5.8	3.5	250	175
MIP7512E2AML	E2A	PIM three phase input rectifier	1200	75	1.6	3.4	5.8	319	175
MITF200R12E2AML	E2A	Sixpack	1200	200	1.7	17.2	15.6	652	175
MITB160R16E1TL	E1	Chopper (Brake)	1600	160	1.85	9.2	5.8	515	175
MIRB150R16E1AML	E1A	Chopper (Brake)	1600	150	1.5	5.96	8.09	442	175
MIRB200R16E1AML	E1A	Chopper (Brake)	1600	200	1.5	5.96	8.09	442	175
MIP50R12E2ATN	E2A	PIM three phase input rectifier	1200	50	1.9	5.92	3.39	288	175
MIP75R12E2ATN	E2A	PIM three phase input rectifier	1200	75	1.95	4.71	5.45	470	175



Voltage Regulators

Voltage regulators are an indispensable component in electronic circuits. Their core function is to provide a stable, preset output voltage regardless of fluctuations in the input voltage or changes in the load current.

Voltage Regulators

PRODUCT

Voltage Regulators

APPLICATION

Voltage Regulators

Part Number	Package	Maximum Output Current	Output Voltage @ TJ = 25°C		Input Voltage		Operating Temperature
		Io (A)	V_o(V) Min	V_o(V) Max	V_i(V) Min	V_i(V) Max	Topr(°C)
MCT1117C-1.2	SOT-223	1.00	1.176	1.224	2.7	10	-20~125
MCT1117C-1.5	SOT-223	1.00	1.47	1.53	3	10	-20~125
MCT1117C-1.8	SOT-223	1.00	1.764	1.836	3.3	12	-20~125
MCT1117C-2.5	SOT-223	1.00	2.45	2.55	4	12	-20~125
MCT1117C-2.85	SOT-223	1.00	2.793	2.907	4.35	12	-20~125
MCT1117C-3.3	SOT-223	1.00	3.234	3.366	4.8	12	-20~125
MCT1117C-5.0	SOT-223	1.00	4.9	5.1	6.5	12	-20~125
MCT1117C-ADJ	SOT-223	1.00	1.225	1.275	2.75	12	-20~125
TL431KC	SOT-23	0.05	2.485	2.505		36	-40~125
TL431HA	SOT-23	0.10	2.487	2.512		36	-40~125
TL431KA	SOT-23	0.10	2.483	2.507		36	-40~125
TL431KB	SOT-23	0.10	2.485	2.505		36	-40~125
TL431KCS	SOT-23	0.10	2.485	2.505		36	-40~125
TL431LB	SOT-23	0.10	2.483	2.507		36	-20~125
TL432	SOT-23	0.10	1.228	18	1.228	18	-40~125
MC5200K3-3.3	SOT-23-3L	0.20	3.234	3.366	3	30	-40~125
MC6225K3-1.2	SOT-23-3L	0.50	1.176	1.224	1.8	6	-40~125
MC6225K3-1.8	SOT-23-3L	0.50	1.764	1.836	1.8	6	-40~125
MC6225K3-2.5	SOT-23-3L	0.50	2.45	2.55	1.8	6	-40~125
MC6225K3-3.3	SOT-23-3L	0.50	3.234	3.366	1.8	6	-40~125
MC6230-1.2	SOT23-5L	0.30	0.98	6.12	2	7	-40~125
MC6230-1.5	SOT23-5L	0.30	0.98	6.12	2	7	-40~125
MC6230-1.8	SOT23-5L	0.30	0.98	6.12	2	7	-40~125
MC6230-2.5	SOT23-5L	0.30	0.98	6.12	2	7	-40~125
MC6230-2.8	SOT23-5L	0.30	0.98	6.12	2	7	-40~125
MC6230-3.0	SOT23-5L	0.30	0.98	6.12	2	7	-40~125
MC6230-3.3	SOT23-5L	0.30	0.98	6.12	2	7	-40~125
MC6230-3.6	SOT23-5L	0.30	0.98	6.12	2	7	-40~125
MC7333	SOT23-5L	0.30	1.2	5	2.3	8	-40~125
MC6225-1.2	SOT23-5L	0.50	1.176	1.224	1.8	6	-40~125
MC6225-1.8	SOT23-5L	0.50	1.764	1.836	1.8	6	-40~125
MC6225-2.5	SOT23-5L	0.50	2.45	2.55	1.8	6	-40~125
MC6225-3.3	SOT23-5L	0.50	3.234	3.366	1.8	6	-40~125
MC6300-ADJ	SOT23-5L	0.50	0.6	5.5	1.8	7	-40~85
MCL9913K533	SOT23-5L	0.50	3.234	3.366	3	24	-40~85
MCL9913K550	SOT23-5L	0.50	4.9	5.1	3	24	-40~85
MC78M05CDT	DPAK	0.50	4.8	5.2		35	0~125
MC78M06CDT	DPAK	0.50	5.75	6.25	8	25	0~125
MC78M08CDT	DPAK	0.50	7.7	8.3	10.5	25	0~125
MC78M12CDT	DPAK	0.50	11.5	12.5		35	0~125
MC78M15CDT	DPAK	0.50	14.25	15.75		35	0~125
MC78L05F	SOT-89	0.10	4.8	5.2	7	20	-20~120
MC78L05FA	SOT-89	0.10	4.8	5.2	7	20	-25~125
MC78L06F	SOT-89	0.10	5.75	6.25	8.5	20	-20~120

Voltage Regulators

Part Number	Package	Maximum Output Current	Output Voltage @ TJ = 25°C		Input Voltage		Operating Temperature
		Io (A)	V_o(V) Min	V_o(V) Max	V_i(V) Min	V_i(V) Max	Topr(°C)
MC78L08F	SOT-89	0.10	7.7	8.3	10.5	23	-25~125
MC79L05F	SOT-89	0.10	-4.8	-5.2	-7	-20	-30~75
MC79L06F	SOT-89	0.10	-5.76	-6.24	-8.5	-20	-30~75
MC79L08F	SOT-89	0.10	-7.68	-8.32	-10.5	-30	-30~75
MCA1117C-1.8	SOT-89	0.80	1.764	1.836	3.3	12	-25~125
MCA1117C-2.5	SOT-89	0.80	2.45	2.55	4	12	-25~125
MCA1117C-3.3	SOT-89	0.80	3.234	3.366	4.8	12	-25~125

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Power Modules

When the utmost levels of efficiency and reliability are required, MCC has the power modules to reduce parasitic elements while combining quality semiconductors into a single module package. Count on us to deliver advanced packaging technology and a compact footprint in diverse packages and configurations.

Power Modules

PRODUCT

Power Modules

APPLICATION

Power Modules

Standard Recovery Power Modules

Part Number	Package	V_{RRM}	$I_{F(AV)}@T_c$	I_{FSM}	V_{FM}	I_F	I_{RD}	V_{rd}	T_c	T_{VJ} [max]
		(V)	(A)	(A)	(V)	(A)	(mA)	(V)	(°C)	(°C)
MD36C08D1	D1	800	36	650	1.4	100	5	800	104	150
MD36K08D1	D1	800	36	650	1.4	100	5	800	104	150
MD50H08FJ	FJ	800	50	650	1.4	100	1	800	104	150
MD70A08D1	D1	800	70	1400	1.3	200	5	800	102	150
MD100A08D1	D1	800	100	2500	1.4	300	5	800	109	150
MD100S08M2	M2	800	100	920	1.9	150	5	800	100	150
MD100S08M4	M4	800	100	920	1.9	300	5	800	100	150
MD120A08D1	D1	800	120	2800	1.35	300	6	800	106	150
MD165A08D2	D2	800	165	6000	1.4	300	6	800	101	150
MD200C08D2	D2	800	200	6800	1.3	300	9	800	95	150
MD200U08D2	D2	800	200	6800	1.3	300	9	800	101	150
MD200S08M5	M5	800	200	2240	1.7	300	6	800	100	150
MD240C08D2	D2	800	240	7550	1.25	300	9	800	95	150
MD250S08M5	M5	800	250	2500	1.6	300	6	800	100	150
MD36C12D1	D1	1200	36	650	1.4	100	5	1200	104	150
MD36K12D1	D1	1200	36	650	1.4	100	5	1200	104	150
MD50H12FJ	FJ	1200	50	650	1.4	100	1	1200	104	150
MD70A12D1	D1	1200	70	1400	1.3	200	5	1200	102	150
MD100A12D1	D1	1200	100	2500	1.4	300	5	1200	109	150
MD100C12D1	D1	1200	100	2500	1.4	300	5	1200	109	150
MD100K12D1	D1	1200	100	2500	1.4	300	5	1200	109	150
MD100S12M4	M4	1200	100	920	1.9	300	5	1200	100	150
MD120A12D1	D1	1200	120	2800	1.35	300	6	1200	106	150
MD165A12D2	D2	1200	165	6000	1.4	300	6	1200	101	150
MD200K12D2	D2	1200	200	6800	1.3	300	9	1200	95	150
MD200U12D2	D2	1200	200	6800	1.3	300	9	1200	101	150
MD200S12M5	M5	1200	200	2240	1.7	300	6	1200	100	150
MD240C12D2	D2	1200	240	7550	1.25	300	9	1200	95	150
MD250S12M5	M5	1200	250	2500	1.6	300	6	1200	100	150
MD36A16D1	D1	1600	36	650	1.4	100	5	1600	104	150
MD36C16D1	D1	1600	36	650	1.4	100	5	1600	104	150
MD36K16D1	D1	1600	36	650	1.4	100	5	1600	104	150
MD50H16FJ	FJ	1600	50	650	1.4	100	1	1600	104	150
MD60A16D1	D1	1600	60	1150	1.45	200	5	1600	100	150
MD60C16D1	D1	1600	60	1150	1.45	200	5	1600	100	150
MD60K16D1	D1	1600	60	1150	1.45	200	5	1600	100	150
MD60U16D1	D1	1600	60	1150	1.45	200	5	1600	100	150
MD60S16M2	M2	1600	60	460	1.8	150	5	1600	110	150
MD70A16D1	D1	1600	70	1400	1.3	200	5	1600	102	150
MD70K16D1	D1	1600	70	1400	1.3	200	5	1600	102	150
MD75S16M4	M4	1600	75	750	1.5	150	5	1600	110	150
MD100A16D1	D1	1600	100	2500	1.4	300	5	1600	109	150
MD100C16D1	D1	1600	100	2500	1.4	300	5	1600	109	150
MD100K16D1	D1	1600	100	2500	1.4	300	5	1600	109	150

Standard Recovery Power Modules

Part Number	Package	V_{RRM}	$I_{F(AV)}@T_c$	I_{FSM}	V_{FM}	I_F	I_{RD}	V_{rd}	T_c	T_{VJ} [max]
		(V)	(A)	(A)	(V)	(A)	(mA)	(V)	(°C)	(°C)
MD100S16M2	M2	1600	100	920	1.9	150	5	1600	100	150
MD100S16M3	M3	1600	100	920	1.9	300	5	1600	100	150
MD100S16M4	M4	1600	100	920	1.9	300	5	1600	100	150
MD100S16M5	M5	1600	100	920	1.9	300	5	1600	100	150
MD120A16D1	D1	1600	120	2800	1.35	300	6	1600	106	150
MD120C16D1	D1	1600	120	2800	1.35	300	6	1600	106	150
MD120K16D1	D1	1600	120	2800	1.35	300	6	1600	106	150
MD130S16M3	M3	1600	130	1200	1.8	300	6	1600	100	150
MD130S16M5	M5	1600	130	1200	1.8	300	6	1600	100	150
MD160S16M3	M3	1600	160	1800	1.75	300	6	1600	100	150
MD160S16M5	M5	1600	160	1800	1.75	300	6	1600	100	150
MD165A16D2	D2	1600	165	6000	1.4	300	6	1600	101	150
MD165C16D2	D2	1600	165	6000	1.4	300	9	1600	101	150
MD165K16D2	D2	1600	165	6000	1.4	300	9	1600	101	150
MD200A16D2	D2	1600	200	6800	1.3	300	9	1600	95	150
MD200C16D2	D2	1600	200	6800	1.3	300	9	1600	95	150
MD200K16D2	D2	1600	200	6800	1.3	300	9	1600	95	150
MD200U16D2	D2	1600	200	6800	1.3	300	9	1600	101	150
MD200S16M3	M3	1600	200	2240	1.7	300	6	1600	100	150
MD200S16M5	M5	1600	200	2240	1.7	300	6	1600	100	150
MD200S16NM3	NM3	1600	200	2240	1.7	300	6	1600	100	150
MD240C16D2	D2	1600	240	7550	1.25	300	9	1600	95	150
MD240K16D2	D2	1600	240	7550	1.25	300	9	1600	95	150
MD250S16M3	M3	1600	250	2500	1.6	300	6	1600	100	150
MD250S16M5	M5	1600	250	2500	1.6	300	6	1600	100	150
MD36C18D1	D1	1800	36	650	1.4	100	5	1800	104	150
MD36K18D1	D1	1800	36	650	1.4	100	5	1800	104	150
MD70A18D1	D1	1800	70	1400	1.3	200	5	1800	102	150
MD100A18D1	D1	1800	100	2500	1.4	300	5	1800	109	150
MD100S18M2	M2	1800	100	920	1.9	150	5	1800	100	150
MD100S18M4	M4	1800	100	920	1.9	300	5	1800	100	150
MD120A18D1	D1	1800	120	2800	1.35	300	6	1800	106	150
MD165A18D2	D2	1800	165	6000	1.4	300	6	1800	101	150
MD200U18D2	D2	1800	200	6800	1.3	300	9	1800	101	150
MD200S18M5	M5	1800	200	2240	1.7	300	6	1800	100	150
MD240C18D2	D2	1800	240	7550	1.25	300	9	1800	95	150
MD250S18M5	M5	1800	250	2500	1.6	300	6	1800	100	150

Power Modules

Thyristor Modules

Part Number	Package	V_{RRM}	I_{TAV} @T_c	V_{GT}	I_{GT}	V_{TM}	I_{TM}	I_{TSM}	I_{DRM}	T_c	T_{VJ} [max]
		(V)	(A)	(V)	(mA)	(V)	(A)	(A)	(mA)	(°C)	(°C)
MT100DT08L1	L1	800	100	3	150	1.25	100	1200	20	92	125
MT160C08T2	T2	800	160	3	150	1.7	500	5400	40	85	130
MT200C08T2	T2	800	200	3	200	1.7	620	5500	40	85	130
MT200CB08T2	T2	800	200	3	200	1.7	620	5500	40	85	130
MT100DT12L1	L1	1200	100	3	150	1.25	100	1200	20	92	125
MT160C12T2	T2	1200	160	3	150	1.7	500	5400	40	85	130
MT200C12T2	T2	1200	200	3	200	1.7	620	5500	40	85	130
MT200CB12T2	T2	1200	200	3	200	1.7	620	5500	40	85	130
MT25C16T1	T1	1600	25	2.5	150	1.8	75	550	10	85	125
MT25CB16T1	T1	1600	25	2.5	150	1.8	75	550	10	85	125
MT40C16T1	T1	1600	40	2.5	150	1.95	200	1000	15	85	125
MT40CB16T1	T1	1600	40	2.5	150	1.95	200	1000	15	85	125
MT60C16T1	T1	1600	60	3	150	1.65	200	1500	15	85	125
MT60CB16T1	T1	1600	60	3	150	1.65	200	1500	15	85	125
MT90C16T1	T1	1600	90	3	150	1.65	300	2000	20	85	130
MT90CB16T1	T1	1600	90	3	150	1.65	300	2000	20	85	125
MT100DT16L1	L1	1600	100	3	150	1.25	100	1200	20	92	125
MT110C16T1	T1	1600	110	3	150	1.65	300	2250	20	85	130
MT110CB16T1	T1	1600	110	3	150	1.65	300	2250	20	85	130
MT130C16T2	T2	1600	130	3	150	1.8	500	4700	40	85	130
MT160C16T2	T2	1600	160	3	150	1.7	500	5400	40	85	130
MT200C16T2	T2	1600	200	3	200	1.7	620	5500	40	85	130
MT200CB16T2	T2	1600	200	3	200	1.7	620	5500	40	85	130
MT100DT18L1	L1	1800	100	3	150	1.25	100	1200	20	92	125
MT110C18T1	T1	1800	110	3	150	1.65	300	2250	20	85	130
MT110CB18T1	T1	1800	110	3	150	1.65	300	2250	20	85	130
MT160C18T2	T2	1800	160	3	150	1.7	500	5400	40	85	130
MT200C18T2	T2	1800	200	3	200	1.7	620	5500	40	85	130
MT200CB18T2	T2	1800	200	3	200	1.7	620	5500	40	85	130

Fast Recovery Diode Modules

Part Number	Package	V_{RRM}	$I_{F(AV)}$	I_{FSM}	V_F	I_F	T_{rr}	I_{RM}	V_R	T_c	T_{VJ} [max]
		(V)	(A)	(A)	(V)	(A)	(ns)	(mA)	(V)	(°C)	(°C)
MF200K04F3	F3	400	200	1500	1.35	100	95	0.5	400	125	150
MF200K04F4N	F4N	400	200	1500	1.35	100	95	0.5	400	125	150
MF300K04F3	F3	400	300	2700	1.05	150	90	0.5	400	125	150
MF300K04F3LG	F3	400	300	4000	1.05	150	70	0.5	400	125	150
MF400K04F3	F3	400	400	4000	1.35	200	135	1	400	125	150
MF400K04F3LG	F3	400	400	6000	1.2	200	80	1	400	125	150
MF300U05F6	F6	500	300	5000	1.4	300	335	0.5	500	110	150
MF120DU06FJ	FJ	600	120	550	1.9	60	50	0.1	600	90	150
MF150C06F2	F2	600	150	1400	1.6	150	130	1	600	100	150
MF200K06F2	F2	600	200	2000	1.6	200	140	0.5	600	110	150
MF200K06F3	F3	600	200	2100	1.15	100	105	0.5	400	150	150
MF200K06F4N	F4N	600	200	2100	1.15	100	105	0.5	600	125	150
MF200DU06FJ	FJ	600	200	1300	1.3	100	105	0.5	600	90	150
MF300U06F2	F2	600	300	3000	1.65	300	55	0.5	600	110	150
MF300K06F3	F3	600	300	3500	1.4	150	130	1	600	125	150
MF300U06F6	F6	600	300	3500	1.15	300	145	0.5	600	110	150
MF400K06F3	F3	600	400	3500	1.25	200	130	1	600	125	150
MF100H07M4	M4	700	100	1750	1.4	100	40	0.1	700	100	150
MF100U12F2	F2	1200	100	1100	1.58	100	55	1	1200	110	150
MF200C12F2	F2	1200	200	1800	2.5	200	110	1	1200	110	150
MF200K12F5	F5	1200	200	1800	2.3	200	57	1	1200	110	150
MF200DU12FJ	FJ	1200	200	1450	1.6	100	135	0.5	1200	90	150
MF300C12F2	F2	1200	300	2700	3	300	135	1	1200	110	150
MF500U12F2	F2	1200	500	5000	2	500	200	1	1200	90	150

Schottky Modules

Part Number	Package	V_{RRM}	$I_{F(AV)}$	I_{FSM}	V_F	I_F	I_{RM}	V_R	T_c	T_{VJ} [max]
		(V)	(A)	(A)	(V)	(A)	(mA)	(V)	(°C)	(°C)
MB400K02F4N	F4N	200	400	3000	0.9	200	1	200	125	150

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