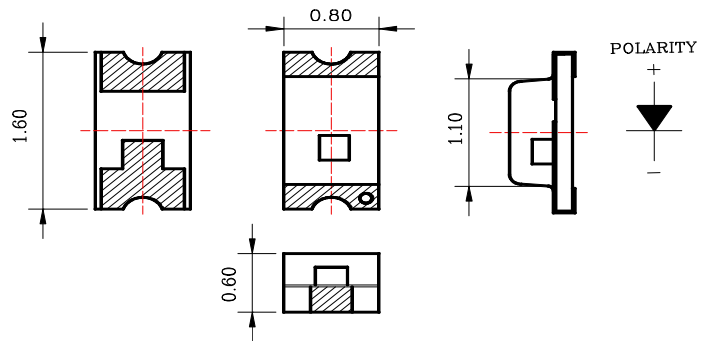
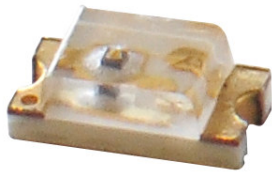
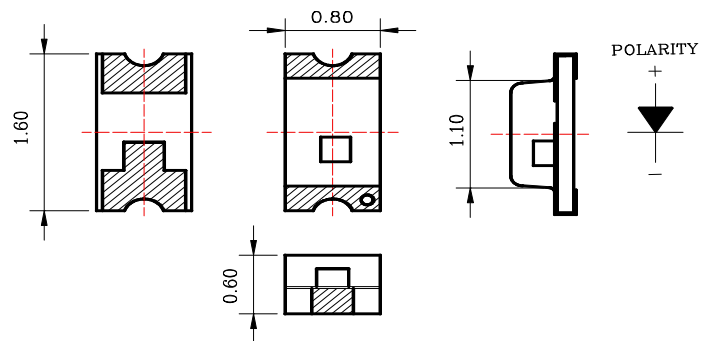
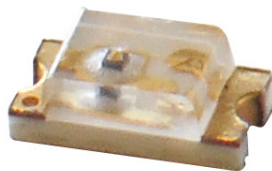
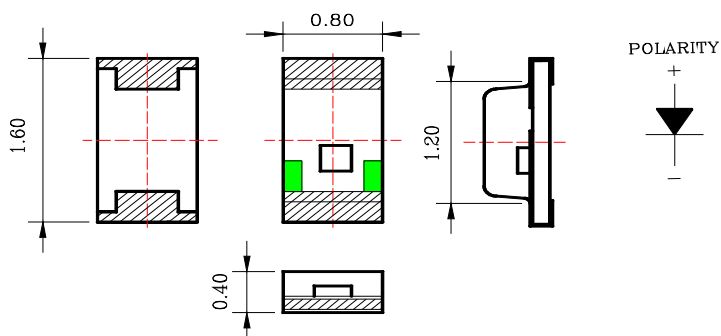
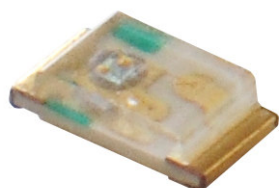


L-C191XXXX -1.6x0.8x0.6mm SURFACE MOUNT DEVICE LED (0603)

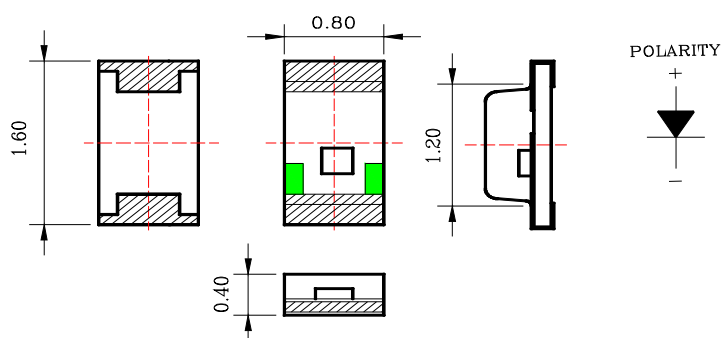
Part No.	Chip		Lens Color	Wave length λD (nm)	Electro-optical characteristics			View Angle (deg.)
	Raw Material	Emitted Color			VF(V)20mA		IV(mcd)20mA	
					Typ.	Max.	Typ.	
L-C191JRCT	AlInGaP	 Super Red	Water Clear	630	1.9	2.4	70	120
L-C191JYCT	AlInGaP	 Super Yellow	Water Clear	590	2.0	2.4	100	120
L-C191JFCT	AlInGaP	 Super Amber	Water Clear	605	2.0	2.4	80	120
L-C191JGCT	AlInGaP	 Super Yellow Green	Water Clear	570	2.05	2.4	30	120
L-C191LGCT	InGaN	 Ultra Green	Water Clear	525	3.1	3.6	300	120
L-C191QYCT	AlInGaP	 Super Yellow	Water Clear	590	1.9	2.4	160	120

L-C191XXXX -1.6x0.8x0.6mm SURFACE MOUNT DEVICE LED (0603)

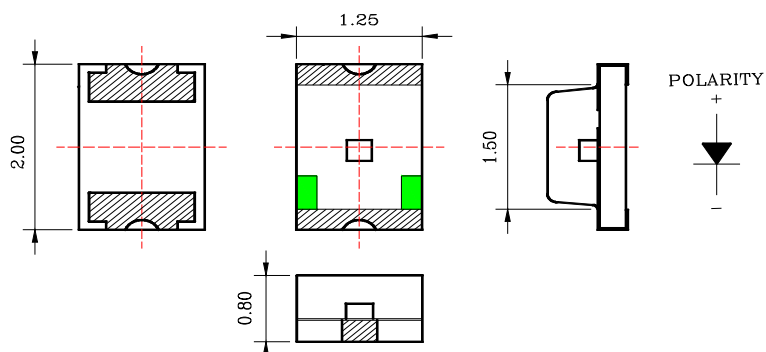
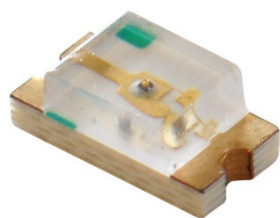
Part No.	Chip		Lens Color	Wave length λD (nm)	Electro-optical characteristics			View Angle (deg.)
	Raw Material	Emitted Color			VF(V)20mA		IV(mcd)20mA	
					Typ.	Max.	Typ.	
L-C191KGCT	AlInGaP	 Super Yellow Green	Water Clear	570	2.05	2.4	30	120
L-C191KFCT	AlInGaP	 Super Amber	Water Clear	605	2	2.4	90	120
L-C191LBCT	InGaN	 Blue	Water Clear	470	3.3	3.6	100	120
L-C191TBCT(5mA)	InGaN	 Blue	Water Clear	470	2.8	3.1	20	120
L-C191WDT(5mA)	InGaN	 Cool White	Light Yellow Diffused	X:0.3 Y:0.3	2.8	3.1	150	120
L-C191TBZCT-XX(5mA)	InGaN	 Blue	Water Clear	470	2.8	3.1	40	120

L-C192XXXX -1.6x0.8x0.4mm SURFACE MOUNT DEVICE LED (0603)

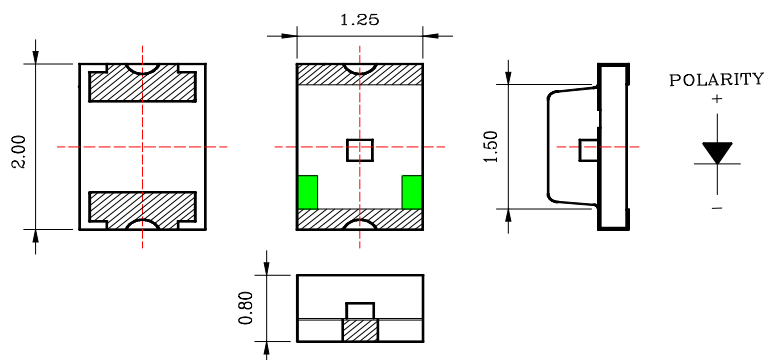
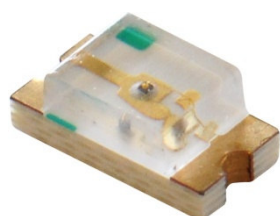
Part No.	Chip		Lens Color	Wave length λD (nm)	Electro-optical characteristics			View Angle (deg.)
	Raw Material	Emitted Color			VF(V)20mA		IV(mcd)20mA	
					Typ	Max.	Typ.	
L-C192JRCT	AlInGaP	 Super Red	Water Clear	630	1.9	2.4	50	120
L-C192JGCT	AlInGaP	 Super Yellow Green	Water Clear	570	2.05	2.4	30	120
L-C192LGCT	InGaN	 Ultra Green	Water Clear	525	3.1	3.5	300	120
L-C192KYCT	AlInGaP	 Super Yellow	Water Clear	590	2.05	2.4	70	120
L-C192KRCT	AlInGaP	 Super Red	Water Clear	630	1.9	2.4	50	120
L-C192WZDT-JD	InGaN	 Cool White	Light Yellow Diffused	X:0.3 Y:0.3	3.1	3.4	320	120

L-C192XXXX -1.6x0.8x0.4mm SURFACE MOUNT DEVICE LED (0603)

Part No.	Chip		Lens Color	Wave length λD (nm)	Electro-optical characteristics			View Angle (deg.)
	Raw Material	Emitted Color			VF(V)20mA		IV(mcd)20mA	
					Typ.	Max.	Typ.	
L-C192KGCT	AlInGaP	 Super Yellow Green	Water Clear	570	2.05	2.4	30	120
L-C192KFCT	AlInGaP	 Super Orange	Water Clear	605	2	2.4	100	120
L-C192LBCT	InGaN	 Blue	Water Clear	470	3.3	3.6	100	120
L-C192TBCT(5mA)	InGaN	 Blue	Water Clear	470	2.8	3.1	16	120
L-C192WDT(5mA)	InGaN	 Cool White	Light Yellow Diffused	X:0.3 Y:0.3	2.8	3.2	150	120
L-C192TBZ-XX(5mA)	InGaN	 Blue	Water Clear	470	2.8	3.1	16	120

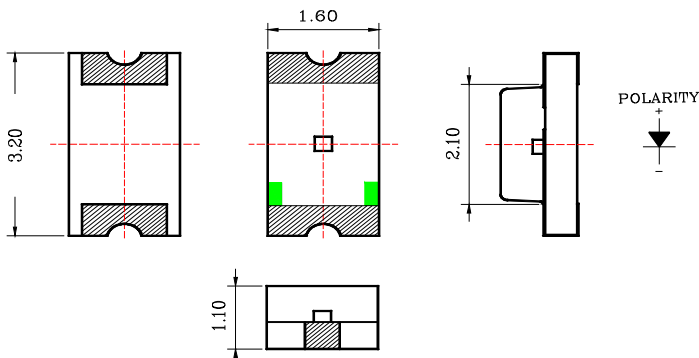
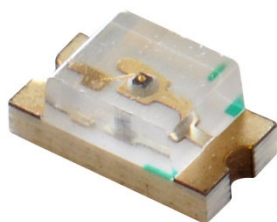
L-C170XXXX -2.0x1.25x0.8mm SURFACE MOUNT DEVICE LED (0805)

Part No.	Chip		Lens Color	Wave length λD (nm)	Electro-optical characteristics			View Angle (deg.)
	Raw Material	Emitted Color			VF(V)20mA		IV(mcd)20mA	
					Typ.	Max.	Typ.	
L-C170JRCT	AlInGaP	 Super Red	Water Clear	630	1.9	2.4	70	120
L-C170JYCT	AlInGaP	 Super Yellow	Water Clear	590	2.05	2.4	100	120
L-C170JFCT	AlInGaP	 Super Amber	Water Clear	605	2.0	2.4	80	120
L-C170JGCT	AlInGaP	 Super Yellow Green	Water Clear	570	2.05	2.4	30	120
L-C170LGCT	InGaN	 Ultra Green	Water Clear	525	3.1	3.6	300	120
L-C170QRCT	AlInGaP	 Super Red	Water Clear	630	1.9	2.4	100	120

L-C170XXXX -2.0x1.25x0.8mm SURFACE MOUNT DEVICE LED (0805)

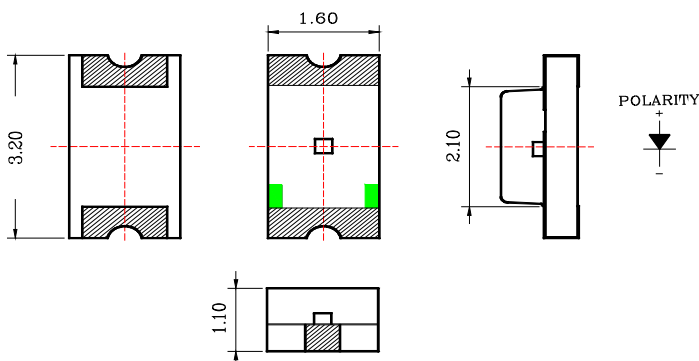
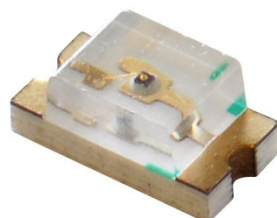
Part No.	Chip		Lens Color	Wave length λD (nm)	Electro-optical characteristics			View Angle (deg.)
	Raw Material	Emitted Color			VF(V)20mA		IV(mcd)20mA	
					Typ.	Max.	Typ.	
L-C170KGCT	AlInGaP	 Super Yellow Green	Water Clear	570	2.05	2.4	30	120
L-C170KFCT	AlInGaP	 Super Amber	Water Clear	605	2	2.4	80	120
L-C170LBCT	InGaN	 Blue	Water Clear	470	3.3	3.6	100	120
L-C170TBCT(5mA)	InGaN	 Blue	Water Clear	470	2.8	3.1	16	120
L-C170WDT	InGaN	 Cool White	Light Yellow Diffused	X:0.3 Y:0.3	3.2	3.5	350	120

L-C150XXXX -3.2x1.6x1.1mm SURFACE MOUNT DEVICE LED (1206)

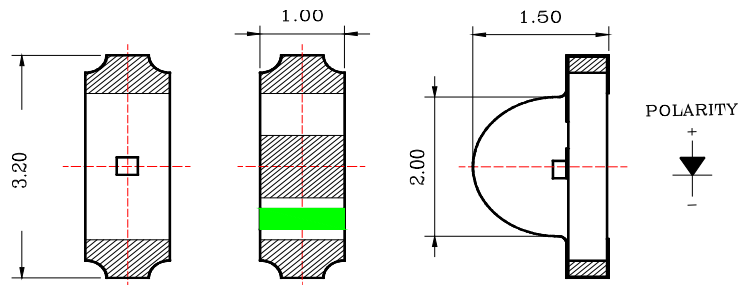
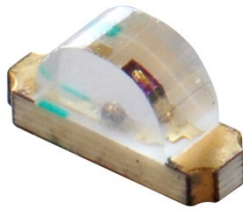


Part No.	Chip		Lens Color	Wave length λD (nm)	Electro-optical characteristics			View Angle (deg.)
	Raw Material	Emitted Color			VF(V)20mA		IV(mcd)20mA	
					Typ	Max.	Typ.	
L-C150JRCT	AlInGaP	 Super Red	Water Clear	630	1.9	2.4	80	120
L-C150JYCT	AlInGaP	 Super Yellow	Water Clear	590	2.05	2.4	75	120
L-C150JGCT	AlInGaP	 Super Yellow Green	Water Clear	570	2.05	2.4	40	120
L-C150JFCT	AlInGaP	 Super Amber	Water Clear	605	2	2.4	80	120
L-C150LGCT	InGan	 Ultra Green	Water Clear	525	3.1	3.6	300	120
L-C150QYCT	AlInGaP	 Super Yellow	Water Clear	590	1.9	2.4	120	120

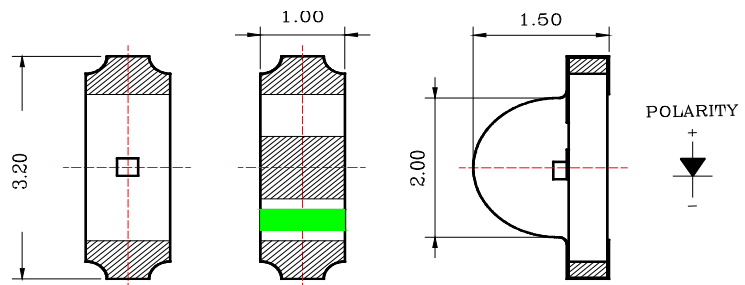
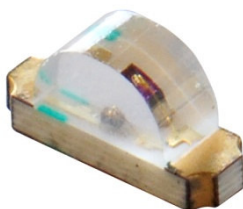
L-C150XXXX -3.2x1.6x1.1mm SURFACE MOUNT DEVICE LED (1206)



Part No.	Chip		Lens Color	Wave length λD (nm)	Electro-optical characteristics			View Angle (deg.)
	Raw Material	Emitted Color			VF(V)20mA		IV(mcd)20mA	
					Typ.	Max.	Typ.	
L-150KFCT	AlInGaP	 Super Amber	Water Clear	605	2	2.4	80	120
L-C150LBCT	InGaP	 Blue	Water Clear	470	3.3	3.8	120	120
L-C150TBCT(5mA)	InGaP	 Blue	Water Clear	470	2.8	3.1	16	120
L-C150WDT	InGaP	 Cool White	Light Yellow Diffused	X:0.3 Y:0.3	3.2	3.5	220	120
L-C150TBZCT-AG(5mA)	InGaP	 Blue	Water Clear	470	2.8	3.1	22	120
L-C150WZDT-JD(2mA)	InGaP	 Cool White	Light Yellow Diffused	X:0.3 Y:0.3	2.7	2.9	45	120

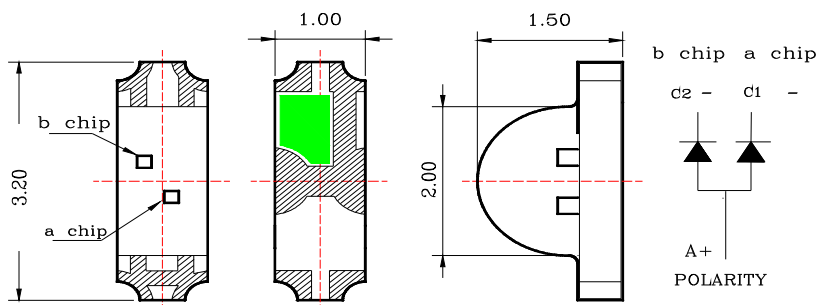
L-S110XXXX -3.2x1.0x1.5mm SURFACE MOUNT DEVICE LED (1204)

Part No.	Chip		Lens Color	Wave length λD (nm)	Electro-optical characteristics			View Angle (deg.)
	Raw Material	Emitted Color			VF(V)20mA		IV(mcd)20mA	
					Typ.	Max.	Typ.	
L-S110JRCT	AlInGaP	 Super Red	Water Clear	630	1.9	2.4	60	120
L-S110JYCT	AlInGaP	 Super Yellow	Water Clear	590	2.05	2.4	70	120
L-S110JFCT	AlInGaP	 Super Amber	Water Clear	605	2.0	2.4	80	120
L-S110JGCT	AlInGaP	 Super Yellow Green	Water Clear	570	2.05	2.4	50	120
L-S110LGCT	InGaN	 Ultra Green	Water Clear	525	3.1	3.6	300	120
L-S110QRCT	AlInGaP	 Super Red	Water Clear	630	1.9	2.4	120	120

L-S110XXXX -3.2x1.0x1.5mm SURFACE MOUNT DEVICE LED (1204)

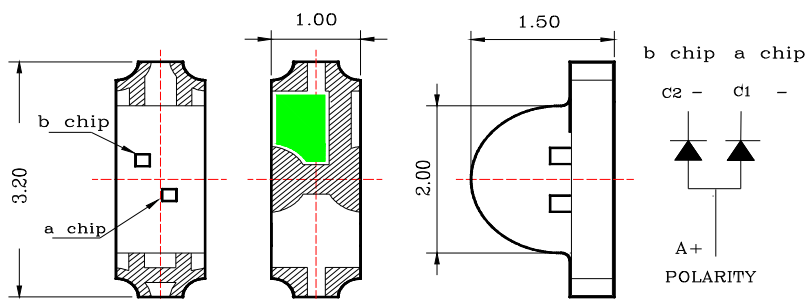
Part No.	Chip		Lens Color	Wave length λD (nm)	Electro-optical characteristics			View Angle (deg.)
	Raw Material	Emitted Color			VF(V)20mA		IV(mcd)20mA	
					Typ.	Max.	Typ.	
L-S110KGCT	AlInGaP	 Super Yellow Green	Water Clear	570	2.05	2.4	30	120
L-S110KFCT	AlInGaP	 Super Amber	Water Clear	605	2	2.4	80	120
L-S110LBCT	InGaN	 Blue	Water Clear	470	3.3	3.6	120	120
L-S110TBCT(5mA)	InGaN	 Blue	Water Clear	470	2.8	3.1	20	120
L-S110WDT	InGaN	 Cool White	Light Yellow Diffused	X:0.3 Y:0.3	3.2	3.5	300	120
L-S110QECT	AlInGaP	 Super Orange	Water Clear	620	2.0	2.4	140	120

L-S115XXXXXX -3.2x1.0x1.5mm SURFACE MOUNT DEVICE LED (1204)



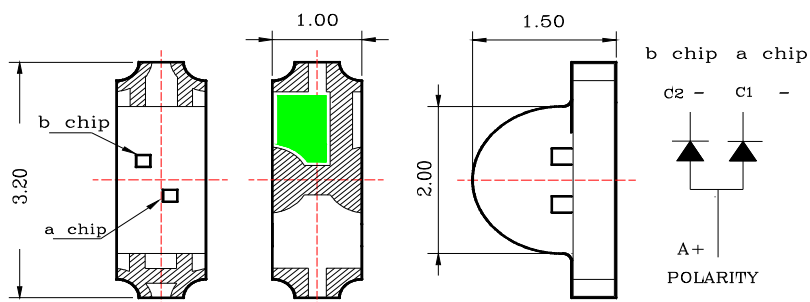
Part No.	Chip		Lens Color	Wave length λD (nm)	Electro-optical characteristics			View Angle (deg.)
	Raw Material	Emitted Color			VF(V)20mA		IV(mcd)20mA	
					Typ	Max.	Typ.	
L-S115KGKFCT	AlInGaP	 Super Yellow Green	Water Clear	570	2.05	2.4	50	120
	AlInGaP	 Super Amber		605	2	2.4	80	120
L-S115GECT	GaP	 Yellow Green	Water Clear	570	2.1	2.6	12.5	120
	GaAsP	 Super Orange		620	2.1	2.6	8.3	120

LS115XXXXXX -3.2x1.0x1.5mm SURFACE MOUNT DEVICE LED (1204)



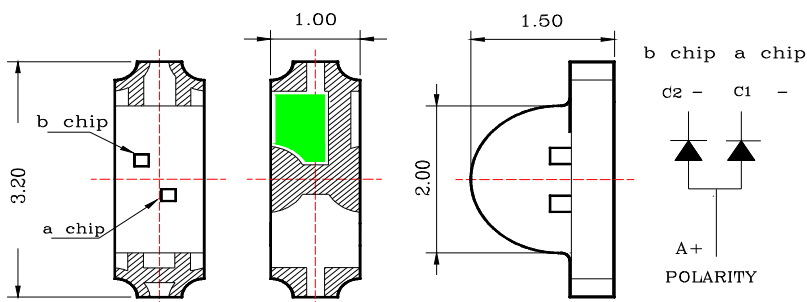
Part No.	Chip		Lens Color	Wave length λD (nm)	Electro-optical characteristics			View Angle (deg.)
	Raw Material	Emitted Color			VF(V)20mA		IV(mcd)20mA	
					Typ.	Max.	Typ.	
L-S115KFLGCT	AlInGaP	 Super Amber	Water Clear	605	2	3.1	30	120
	InGaN	 Ultra Green		525	3.4	3.6	300	120
L-S115KRKGCT-5A	AlInGaP	 Super Red	Water Clear	630	1.8	2.4	20	120
	AlInGaP	 Super Yellow Green		570	1.95	2.3	10	120

L-S115XXXXXX -3.2x1.0x1.5mm SURFACE MOUNT DEVICE LED (1204)



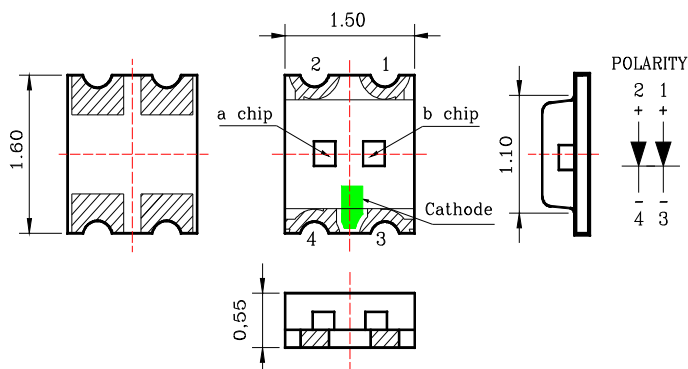
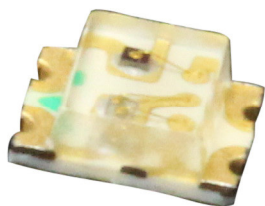
Part No.	Chip		Lens Color	Wave length λD (nm)	Electro-optical characteristics			View Angle (deg.)
	Raw Material	Emitted Color			VF(V)20mA		IV(mcd)20mA	
					Typ	Max.	Typ.	
L-S115KGKRCT	AlInGaP	 Super Yellow Green	Water Clear	570	2.05	2.4	30	120
	AlInGaP	 Super Red		630	1.8	2.4	80	120
L-S115LBKFCT	InGaP	 Blue	Water Clear	470	2.8	3.5	80	120
	AlInGaP	 Super Amber		605	1.8	2.5	80	120

L-S115XXXXXX -3.2x1.0x1.5mm SURFACE MOUNT DEVICE LED (1204)



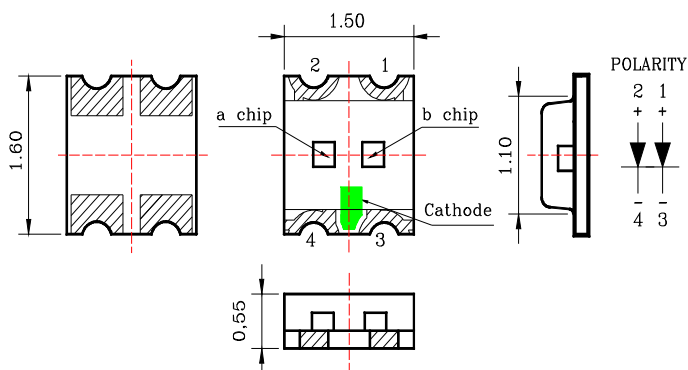
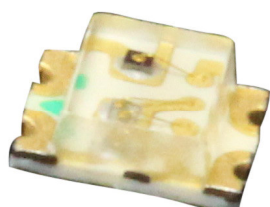
Part No.	Chip		Lens Color	Wave length λD (nm)	Electro-optical characteristics			View Angle (deg.)
	Raw Material	Emitted Color			VF(V)20mA		IV(mcd)20mA	
					Typ.	Max.	Typ.	
L-S115KRLBCT-5A	AlInGaP	 Super Red	Water Clear	630	1.8	2.4	20	120
	InGaP	 Blue		470	3	3.5	30	120
L-S115GFWT	GaP	 Yellow Green	White Diffused	570	2.1	2.6	12.5	120
	GaAsP	 Super Amber		605	2	2.6	6	120

L-C195XXXXXX -1.6x1.5x0.55mm SURFACE MOUNT DEVICE LED (0605)



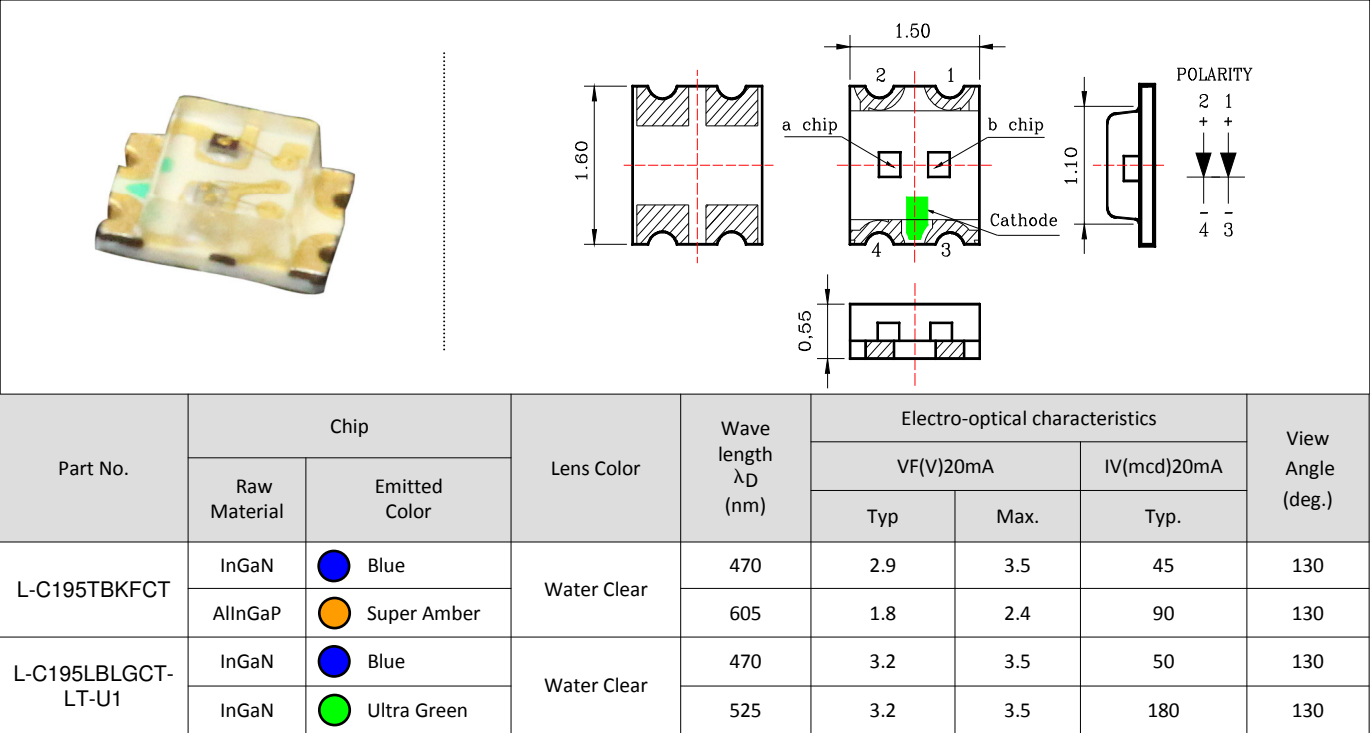
Part No.	Chip		Lens Color	Wave length λD (nm)	Electro-optical characteristics			View Angle (deg.)
	Raw Material	Emitted Color			VF(V)20mA		IV(mcd)20mA	
					Typ	Max.	Typ.	
L-C195KGJRCT	AllnGaP	 Super Yellow Green	Water Clear	570	2.05	2.4	35	130
	AllnGaP	 Super Red		630	2.0	2.4	45	130
L-C195TBJRCT	InGaP	 Blue	Water Clear	470	3	3.5	80	130
	AllnGaP	 Super Red		630	1.8	2.4	80	130

L-C195XXXXXX -1.6x1.5x0.55mm SURFACE MOUNT DEVICE LED (0605)

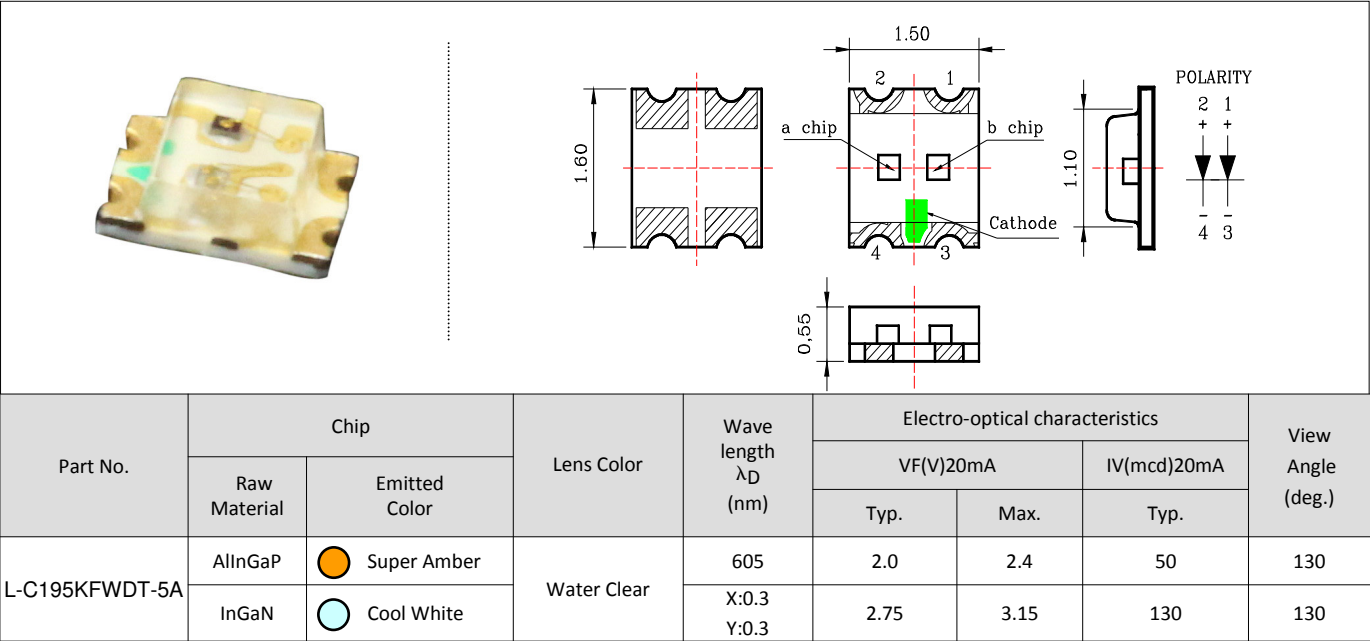


Part No.	Chip		Lens Color	Wave length λD (nm)	Electro-optical characteristics			View Angle (deg.)
	Raw Material	Emitted Color			VF(V)20mA		IV(mcd)20mA	
					Typ.	Max.	Typ.	
L-C195KGJYCT	AllnGaP	 Super Yellow Green	Water Clear	570	2.0	2.4	35	130
	AllnGaP	 Super Yellow		590	2.0	2.4	75	130
L-C195TBKYCT-5A	InGaP	 Blue	Water Clear	470	2.9	3.1	25	130
	AllnGaP	 Super Yellow		590	1.9	2.2	30	130

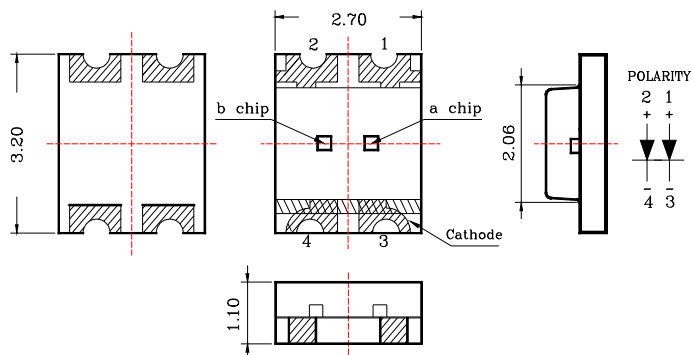
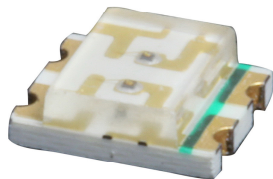
L-C195XXXXXX -1.6x1.5x0.55mm SURFACE MOUNT DEVICE LED (0605)



L-C195XXXXXX -1.6x1.5x0.55mm SURFACE MOUNT DEVICE LED (0605)

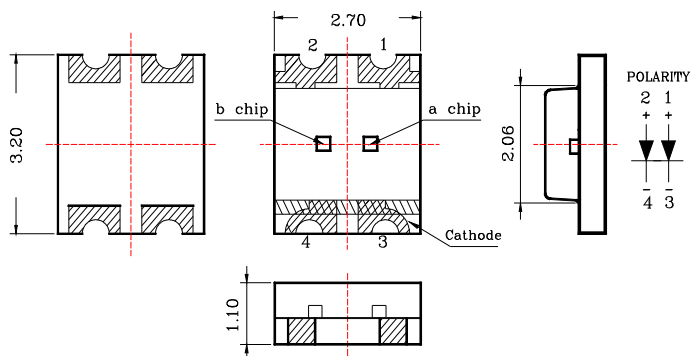
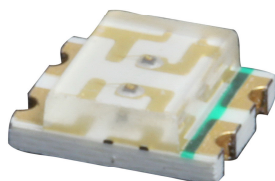


L-C155XXXXXX -3.2x2.7x1.1mm SURFACE MOUNT DEVICE LED (1210)



Part No.	Chip		Lens Color	Wave length λD (nm)	Electro-optical characteristics			View Angle (deg.)
	Raw Material	Emitted Color			VF(V)20mA		IV(mcd)20mA	
					Typ	Max.	Typ.	
L-C155KGJRCT	AlInGaP	 Super Yellow Green	Water Clear	570	2.0	2.4	35	130
	AlInGaP	 Super Red		630	2.0	2.4	45	130
L-C155KGJYCT	AlInGaP	 Super Yellow Green	Water Clear	570	2.0	2.4	35	130
	AlInGaP	 Super Yellow		590	2.0	2.4	75	130
L-C155TBJRCT	InGaN	 Blue	Water Clear	470	3.1	3.5	80	130
	AlInGaP	 Super Red		630	2.0	2.4	80	130

L-C155XXXXXX -3.2x2.7x1.1mm SURFACE MOUNT DEVICE LED (1210)



Part No.	Chip		Lens Color	Wave length λD (nm)	Electro-optical characteristics			View Angle (deg.)
	Raw Material	Emitted Color			VF(V)20mA		IV(mcd)20mA	
					Typ.	Max.	Typ.	
L-C155KGKFCT	AlInGaP	 Super Yellow Green	Water Clear	570	2.0		35	130
	AlInGaP	 Super Amber		605	2.0		80	130
L-C195TBJSCT-5A	InGaN	 Blue	Water Clear	470	3.1	3.5		130
	AlInGaP	 Super Yellow		590	2.0	2.4		130