

Kingtronics®

6A05 THRU 6A10

General Purpose Silicon Rectifier

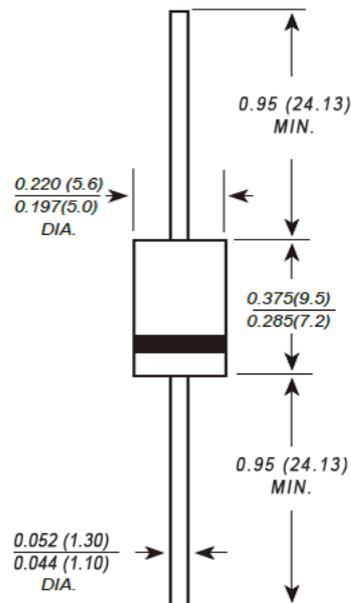
FEATURES

- High current capability
- Plastic package has Underwriters Laboratory Flammability Classification 94V-O utilizing Flame Retardant Epoxy Molding Compound.
- Exceeds environmental standards of MIL-S-19500/228
- Low leakage.

MECHANICAL DATA

- Case: Molded plastic, DO-201AD
- Terminals: Plated axial leads, solderable per MIL-STD-202, method 208 guaranteed
- Polarity: Color band denotes cathode end
- Mounting position: Any
- Weight: 0.04ounce, 1.1gram

DO-201AD(DO-27)



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified ,
 Single phase, half wave, 60Hz, resistive or inductive load.
 For capacitive load derate current by 20%

Dimensions in inches and (millimeters)

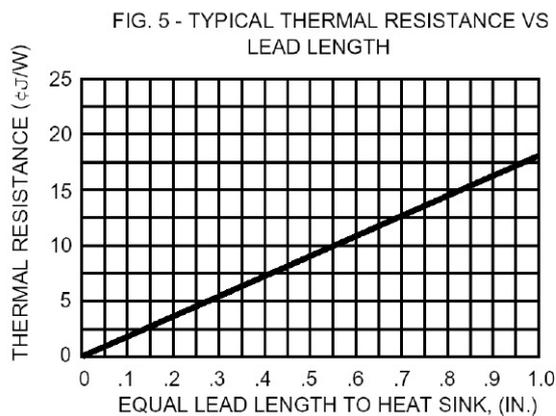
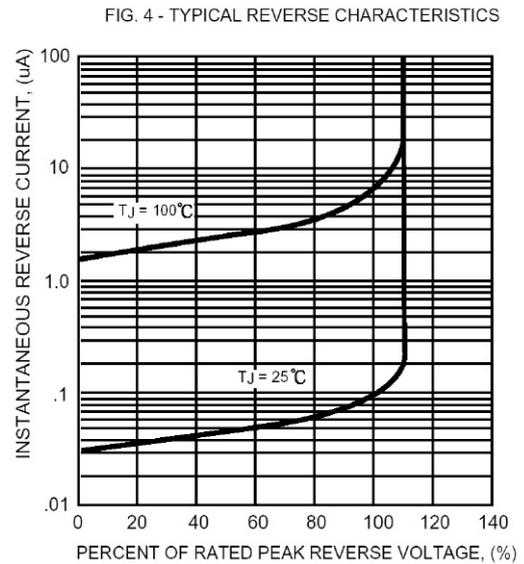
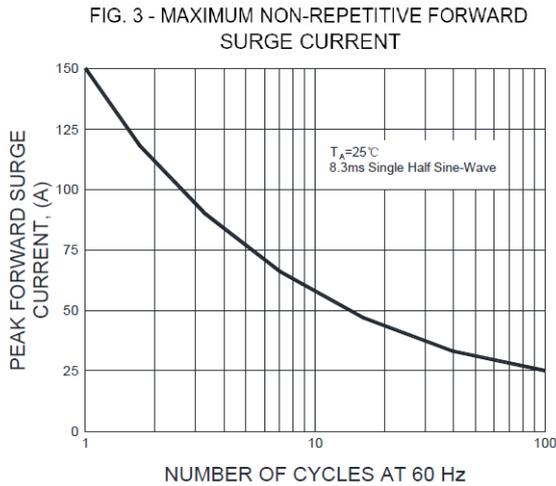
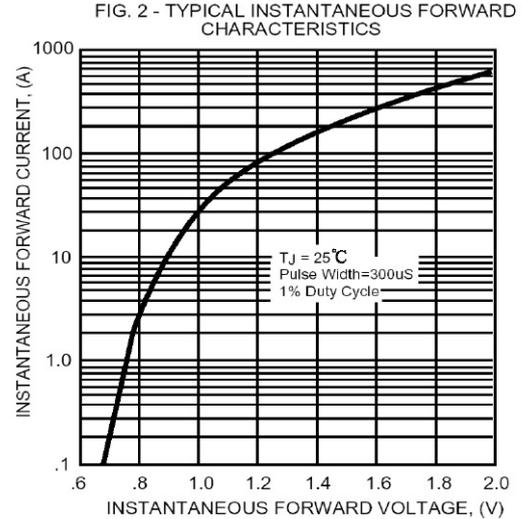
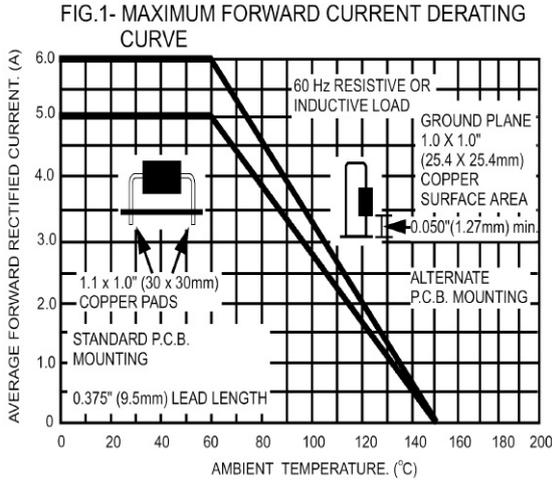
	SYMBOL	6A05	6A1	6A2	6A4	6A6	6A8	6A10	UNIT
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	VOLTS
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	VOLTS
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	VOLTS
Maximum Average Forward Rectified Current .375" (9.5mm) lead length at T _A =60°C	I _(AV)	6.0							Amp
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	150							Amp
Maximum Forward Voltage at 6.0A DC and 25°C	V _F	1.1							Volts
Maximum Reverse Current at Rated DC Blocking voltage	I _R	T _A = 25°C							uAmp
		T _A = 100°C							
Typical Junction Capacitance (NOTE 1)	C _J	150							pF
Typical Thermal Resistance (NOTE 2)	R _{θJA}	10							°C/W
Operating Junction Temperature Range	T _J	-55 to +150							°C
Storage Temperature Range	T _{STG}	-55 to +150							°C

1- Measured at 1.0MHz and applied reverse voltage of 4.0 Volts.

2-Thermal Resistance from Junction to Ambient at .375" (9.5mm)lead length, P.C. board mounted.

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RATINGS AND CHARACTERISTIC CURVES



Note: Specifications are subject to change without notice.