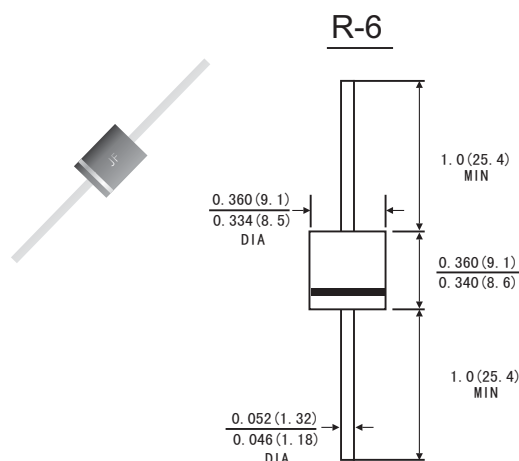


FEATURES

- The plastic package carries Underwrites Laboratory
- Flammability Classification 94V-0
- High forward current capability
- High surge current capability
- Construction utilizes void-free molded plastic technique
- High temperature soldering guaranteed:260°C/10 seconds at terminals
- Component in accordance to RoHS 2011/65/EU

MECHANICAL DATA

- Case: R-6 molded plastic body
- Terminals: Plated axial lead, solderable per MIL-STD-750,method 2026
- Polarity: Color band denotes cathode end
- Mounting Position: Any
- Weight: 0.07ounce, 2.1 grams



Dimensions in inches and (millimeters)

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 by 20%.)

		Symbols	6A05G	6A1G	6A2G	6A3G	6A4G	6A6G	6A8G	6A10G	Units
Maximum recurrent peak reverse voltage		VRRM	50	100	200	300	400	600	800	1000	Volts
Maximum RMS voltage		VRMS	35	70	140	210	280	420	560	700	Volts
Maximum DC blocking voltage		VDC	50	100	200	300	400	600	800	1000	Volts
Maximum average forward rectified current		I(AV)	6.0								Amps
Peak forward surge current (8.3ms half sine-wave superimposed on rated load (JEDEC method)		IFSM	250.0								Amps
Maximum instantaneous forward voltage at 6.0 A		VF	1.1								Volts
Maximum reverse current at rated DC blocking voltage	TA=25°C	IR	10.0								μA
	TA=100°C		250.0								
Maximum Full Load Reverse Current, Full Cycle Average .375" (9.5mm) Lead Length @TA=75°C		HTIR	5.0								μA
Typical thermal resistance (Note 2)		RθJA	35.0								°C/W
Typical junction capacitance (Note 1)		CJ	90								pF
Operating and Storage temperature range		TJ TSTG	-55 to+150 -55 to+150								°C

Note: 1.Measured at 1MHz and applied reverse voltage of 4.0V D. C .

2.Mounton Cu-Pad Size 16mm 16mm on P. C. B.

RATINGS AND CHARACTERISTIC CURVES 6A05G THRU 6A10G

FIG.1-FORWARD CURRENT DERATING CURVE

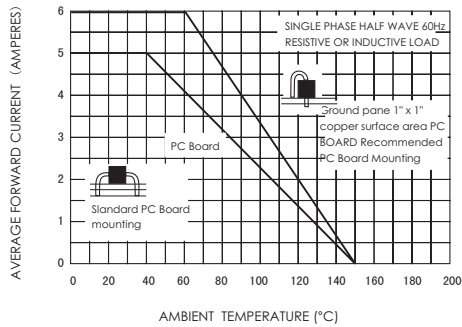


FIG.3-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

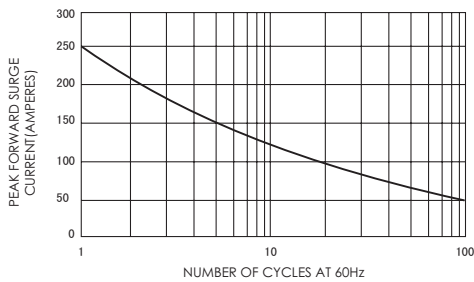


FIG.5-TYPICAL JUNCTION CAPACITANCE

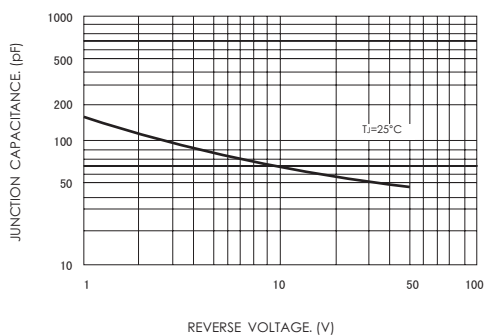


FIG.2-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

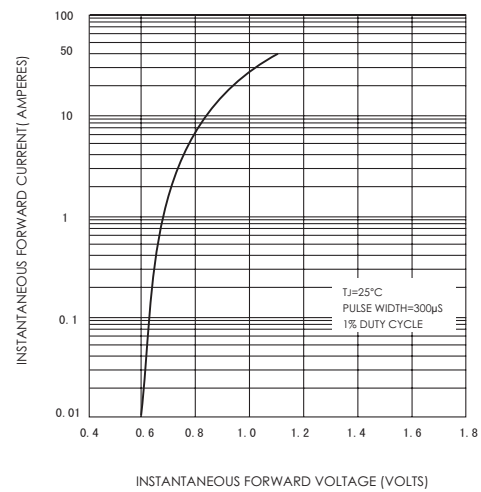


FIG.4-TYPICAL REVERSE CHARACTERISTICS

