PG600A THRU PG600K

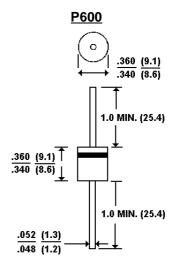
GLASS PASSIVATED JUNCTION PLASTIC RECTIFIER VOLTAGE - 50 to 800 Volts CURRENT - 6.0 Amperes

FEATURES

- High surge current capability
- Plastic package has Underwriters Laboratory Flammability Classification 94V-O Utilizing Flame Retardant Epoxy Molding Compound
- Glass passivated junction in P600 package
- High current operation 6.0 Amperes @ T_A=75 ¢J
- Exceeds environmental standards of MIL-S-19500/228

MECHANICAL DATA

Case: Molded plastic, P600 Terminals: axial leads, solderable per MIL-STD-202, Method 208 Polarity: Color band denotes cathode Mounting Position: Any Weight: 0.07 ounce, 2.1 gram



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

*@ T_A=25 ¢J unless otherwise specified. Single phase, half-wave,60 Hz, resistive or inductive load.

**All values except Maximum RMS Voltage are registered JEDEC parameters.

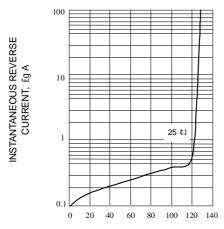
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	UNITS V V A A
Maximum RMS Voltage3570140280420560Maximum DC Blocking Voltage50100200400600800Maximum Average Forward 6.0 6.0 6.0 Rectified Current at T_A =75 ¢J 6.0 6.0 6.0	V V A
Maximum DC Blocking Voltage50100200400600800Maximum Average Forward6.0Rectified Current at T _A =75 ¢J	V A
Maximum Average Forward6.0Rectified Current at T _A =75 ¢J	A
Rectified Current at T _A =75 ¢J	-
	A
Maximum Overload Surge Current at 1 cycle (NOTE 1) 300	
	A
Maximum Forward Voltage at 6.0 ADC 1.0	V
Maximum Full Load Reverse Current Full Cycle 10	${}_{\tt fg}{\sf ADC}$
Average at 25 ¢J	
Maximum DC Reverse Current at Rated 0.3	mADC
DC Blocking Voltage and 100 ¢J	
Typical Junction capacitance (Note 2) CJ 150.0	₽F
Typical Thermal Resistance (Note 3) R £KJA 20.0	¢J/W
Typical Thermal Resistance (Note 3) R £KJL 4.0	¢J/W
Operating Temperature Range -55 to +150	¢J
Storage Temperature Range -55 to +150	¢J

NOTES:

- 1. Peak forward surge current, per 8.3ms single half-sine-wave superimposed on rated load(JECED method)
- 2. Measured at 1 MHZ and applied reverse voltage of 4.0 volts
- 3. Thermal resistance from junction to ambient and from junction to lead at 0.375"(9.5mm) lead length P.C.B. mounted with 1.1×1.1(30×30mm) copper pads



RATING AND CHARACTERISTIC CURVES PG600A THRU PG600K



PERCENT OF RATED PEAK REVERSE VOLTAGE



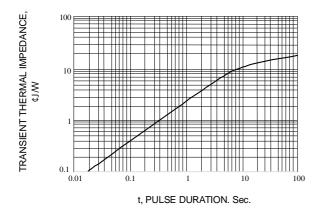
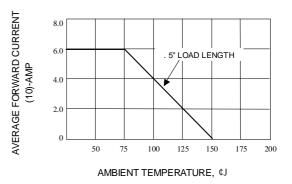
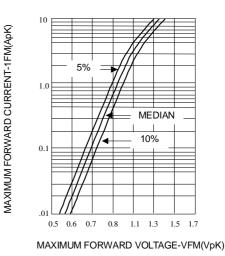


Fig. 3-TYPICAL TRANSIENT THERMAL IMPEDANCE









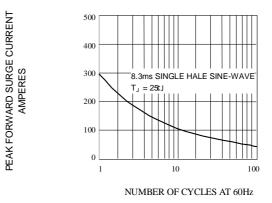


Fig. 5-PEAK FORWARD SURGE CURRENT

