



PG600A~PG600M

GLASS PASSIVATED JUNCTION PLASTIC RECTIFIERS

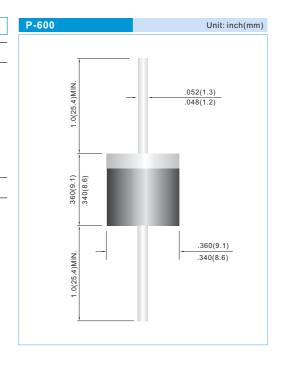
VOLTAGE 50 to 1000 Volts CURRENT 6.0 Amperes

FEATURES

- High surge current capability.
- Plastic package has Underwriters Laboratory Flammability Classification 94V-O utilizing Flame Retardant Epoxy Molding Compound.
- Exceeds environmental standards of MIL-S-19500/228
- In compliance with EU RoHS 2002/95/EC directives

MECHANICAL DATA

- Case: Molded plastic, P600
- Terminals: Axial leads, solderable to MIL-STD-750, Method 2026
- Polarity: Color Band denotes cathode end
- · Mounting Position: Any
- Weight: 0.07 ounce, 2.1 gram



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Resistive or inductive load, 60Hz.

PARAMETER	SYMBOL	PG600A	PG600B	PG600D	PG600G	PG600J	PG600K	PG600M	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Current .375"(9.5mm) lead length at T _x =55°C	I _{F(AV)}	6.0							А
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load(JEDEC method) (Note 1)	I _{FSM}	300							А
Maximum Forward Voltage at 6.0A	V _F	1.0							V
Maximum DC Reverse Current T _J =25°C at Rated DC Blocking Voltage T _J =100°C	I _R	10 300							uA
Typical Junction capacitance (Note 2)	C	150							pF
Typical Thermal Resistance(Note 3)	R _{eJA} R _{eJL}	20 4.0							°C / W
Operating and Storage Temperature Range	T _J ,T _{STG}	-55 TO +150							°C

NOTES:1.Perk forward surge current,per 8.3ms single half-sine-wave superimposed on rated load(JEDEC method)

- 2. Measured at 1 MHz and applied reverse voltage of 4.0 VDC
- 3. Thermal resistance from junction to ambient and from junction to lead length 0.375"(9.5mm) P.C.B. mounted with 1.1 x 1.1 (30 x 30mm)copper pads.

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RATING AND CHARACTERISTIC CURVES

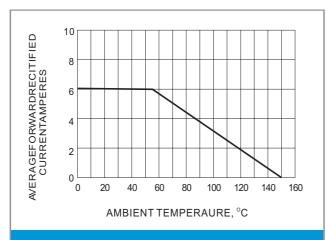


Fig.1- FORWARD CURRENT DERATING CURVE

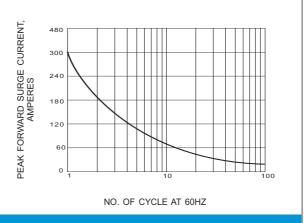


Fig.2- MAXIMUM FORWARD SURGE CURRENT

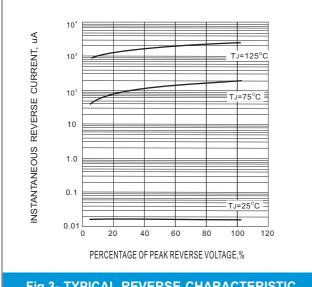


Fig.3- TYPICAL REVERSE CHARACTERISTIC

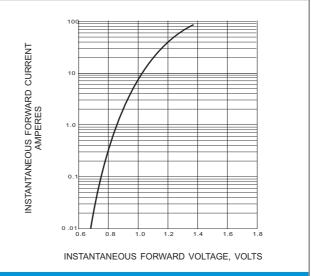


Fig.4- TYPICAL INSTANTANEOUS FORWARD **CHARACTERISTIC**

LEGAL STATEMENT

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