

PG600A~PG600M

GLASS PASSIVATED JUNCTION RECTIFIER

VOLTAGE	50 to 1000 Volt	CURRENT	6.0 Ampere
----------------	------------------------	----------------	-------------------

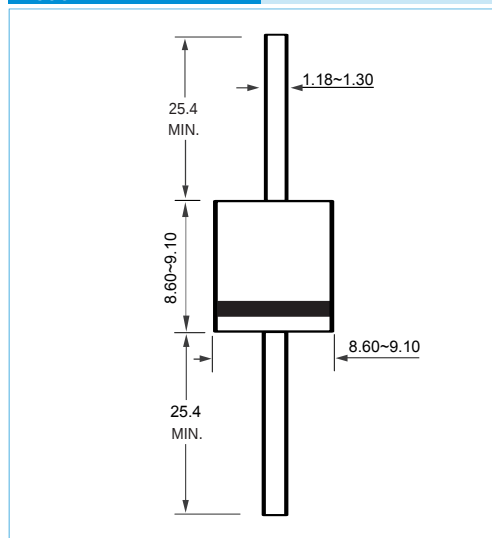
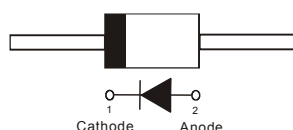
P-600 Unit:mm

FEATURES

- Low Leakage Current
- High current capability
- High reliability
- Lead free in compliance with EU RoHS

MECHANICAL DATA

- Case Material: Molded Plastic.
- UL Flammability Classification Rating 94V-0



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

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	$I_{F(AV)}$	6.0							A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	300							A
Maximum Forward Voltage at 6.0 A	V_F	1.0							V
Maximum DC Reverse Current at Rated DC Blocking Voltage $T_J = 25^{\circ}C$ $T_J = 100^{\circ}C$	I_R	1.0 50							μA
Typical Junction Capacitance	C_J	100							pF
Operating Junction Temperature Range	T_J	-55 to +150							$^{\circ}C$
Storage Temperature Range	T_{STG}	-55 to +150							$^{\circ}C$

PG600A~PG600M

RATING AND CHARACTERISTIC CURVES

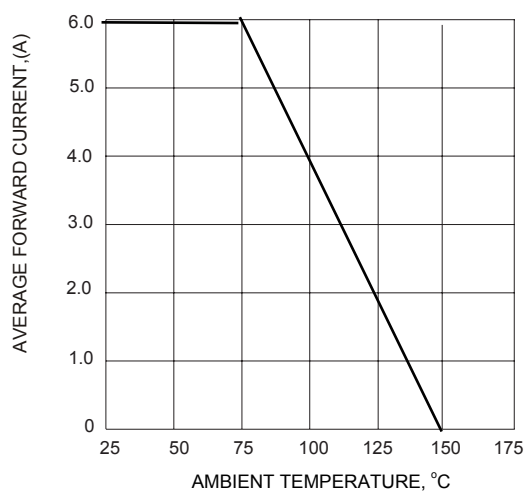


Fig. 1 FORWARD CURRENT DERATING CURVE

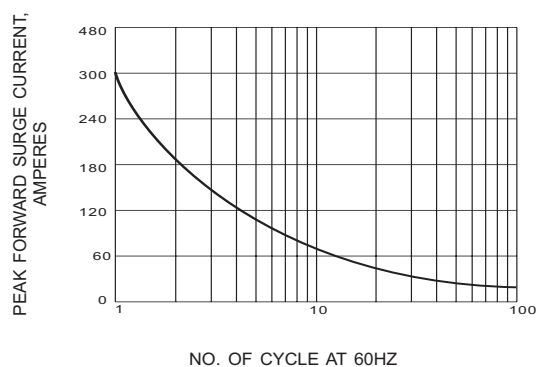


Fig.2- MAXIMUM FORWARD SURGE CURRENT

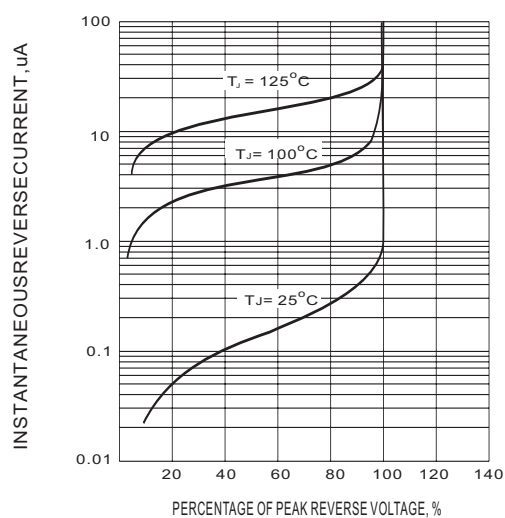


Fig.3- TYPICAL REVERSE CHARACTERISTIC

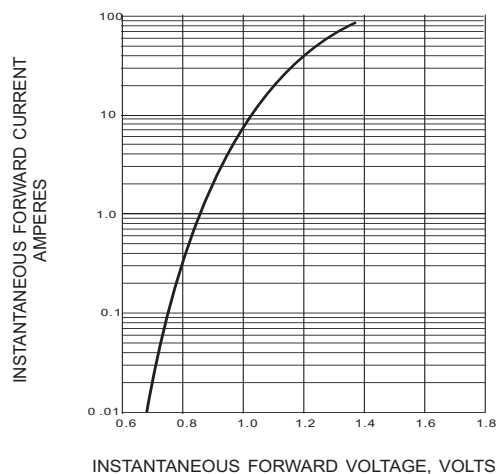


Fig.4- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTIC

PG600A~PG600M

Ordering Information

- Packing information

PG600A~PG600M	Packing Quantity
Tape&Reel	13 Inch; 0.8kpcs/Reel
Ammo Packing	0.4kpcs/Ammo Box
Bulk(Tube/Box)	0.1kpcs/Box