

P600A~P600M

GENERAL PURPOSE PLASTIC RECTIFIER

VOLTAGE	50 to 1000 Volt	CURRENT	6.0 Ampere
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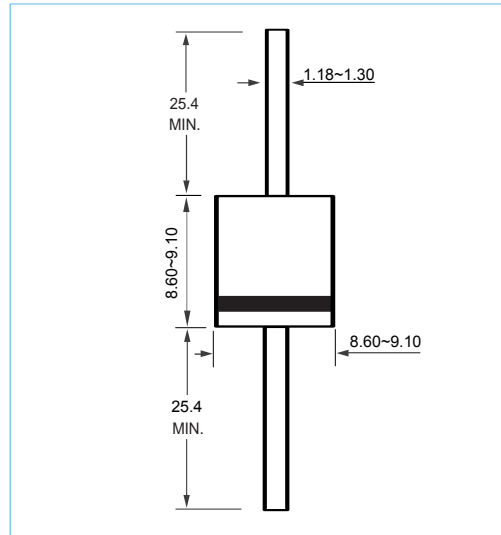
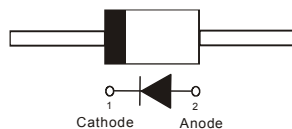
P-600	Unit:mm
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FEATURES

- 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	P600A	P600B	P600D	P600G	P600J	P600K	P600M	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}	400							A
Maximum Forward Voltage at 6.0 A	V_F	1.0							V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	10 200							μA
Typical Junction Capacitance	C_J	100							pF
Operating Junction Temperature Range	T_J	-55 to +150							°C
Storage Temperature Range	T_{STG}	-55 to +150							°C

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RATING AND CHARACTERISTIC CURVES

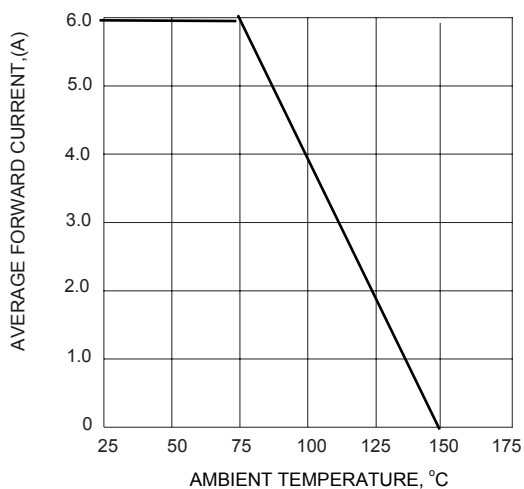


Fig. 1 FORWARD CURRENT DERATING CURVE

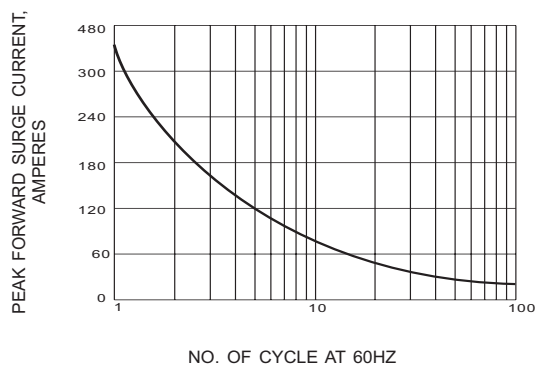


Fig.2- MAXIMUM FORWARD SURGE CURRENT

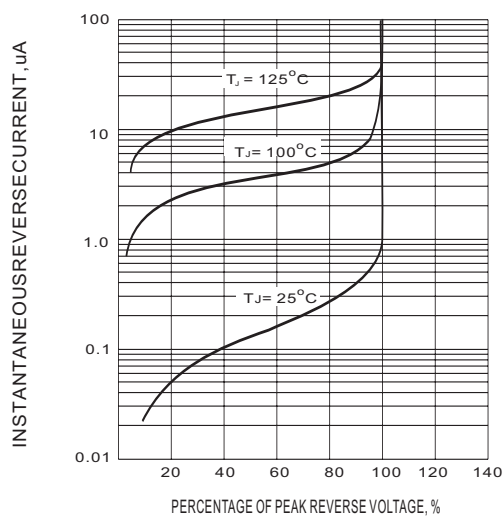


Fig.3- TYPICAL REVERSE CHARACTERISTIC

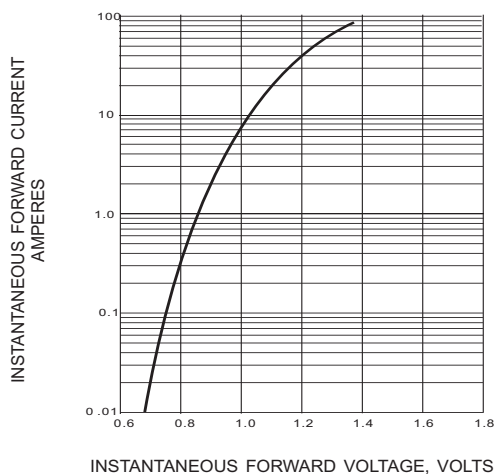


Fig.4- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTIC

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Ordering Information

- Packing information

P600A~P600M	Packing Quantity
Tape&Reel	13 Inch; 0.8kpcs/Reel
Ammo Packing	0.4kpcs/Ammo Box
Bulk(Tube/Box)	0.1kpcs/Box