P600A THRU P600M

1.0(25.4)

.360(9.1)

1.0(25.4)

-55 to +150

General Purpose Plastic Rectifier

REVERSE VOLTAGE 50 to 1000 Volts FORWARD CURRENT 6.0 Ampere

FEATURES

Low forward voltage drop

Low leakage current

High forward surge capability

High temperature soldering guaranteed

260°C/10 seconds,0.375" (9.5mm)lead length at 5 lbs(2.3kg) tension

MECHANICAL DATA

Case: Transfer molded plastic

Epoxy: UL94V-0 rate flame retardant Polarity: Color band denotes cathode end

Lead: Plated axial lead, solderable per MIL-STD-202E method 208C

R-6

Dimensions in inches and (millimeters)

.360(9.1) .340(8.6) DIA.

 $^{\circ}$ C

Mounting position: Any 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 current by 20%									
	SYMBOL	P600A	P600B	P600D	P600G	P600J	P600K	P600M	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current(FIG.1) 0.375"(9.5mm) lead length at T_A =60°C	I(AV)				6.0				Amps
Peak Forward Surge Current 8.3ms single half sine wave superimposed on rated load (JEDEC method)	I FSM	150							Amps
Maximum Instantaneous Forward Voltage at 6.0A	V_{F}	1.1							Volts
Maximum DC Reverse Current $T_A=25^{\circ}C$ at rated DC Blocking voltage $T_A=100^{\circ}C$	I R				10 100				uA
Typical Junction Capacitance (NOTE 1)	CJ	150							pF
Typical Thermal Resistance (NOTE 2)	$R_{\theta JA}$				10				°C/W

1- Measured at 1.0MHz and applied reverse voltage of 4.0 Volts.

Operating and Storage Temperature Range | T_J. T_{STG}

2-Thermal Resistance from Junction to Ambient at. 375" (9.5mm)lead length, P.C. board mounted.

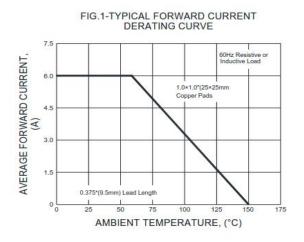
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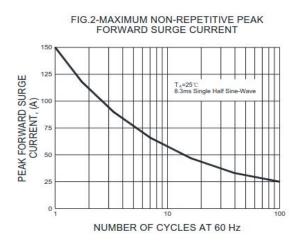
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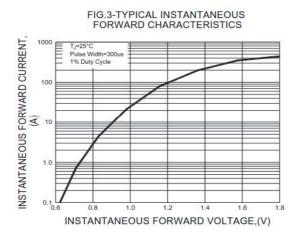
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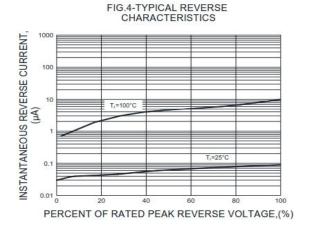
P600A THRU P600M

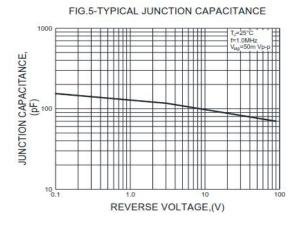
RATINGS AND CHARACTERISTIC CURVES











Note: Specifications are subject to change without notice.

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