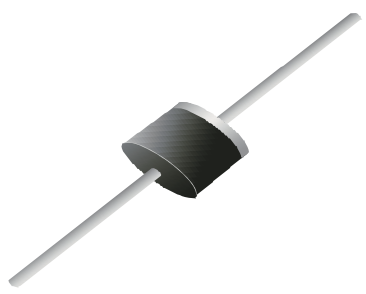




6.0 Amp. Glass Passivated Junction Rectifier

 <p style="font-size: 24px; font-weight: bold; margin-top: 10px;">P-6</p>	<p>Voltage 50V to 1000 V</p>	<p>Current 6.0 A at 60° C</p>	
			
	<p>FEATURES</p> <ul style="list-style-type: none"> Glass passivated chip junction Hyperectifier structure for high reliability Cavity-free glass-passivated junction Low forward voltage drop Low leakage current, typical I_R less than 0.1 μA High forward surge capability Solder dip 260°C, 10s Component in accordance to RoHS 2011/65/EU and WEEE 2002/96/EC 		 <p>RoHS COMPLIANT</p>
	<p>MECHANICAL DATA</p> <ul style="list-style-type: none"> Case: P-6. Epoxy meets UL 94V-0 flammability rating. Polarity: Color band denotes cathode end Terminals: Matte tin plated leads, solderable per MIL-STD-750 Method 2026, J-STD-002 and JESD22-B102. Consumer grade, meets JESD 201 class 1A whisker test. 		
<p>TYPICAL APPLICATIONS</p> <p>Used in general purpose rectification of power supplies, inverters, converters and freewheeling diodes application</p>			

Maximun Ratings and Electrical Characteristics at 25°C

		P600A	P600B	P600D	P600G	P600J	P600K	P600M
V_{RRM}	Peak Recurrent Reverse Voltage (V)	50	100	200	400	600	800	1000
$I_{F(AV)}$	Forward Current at $T_{amb} = 60^\circ C$	6.0 A						
I_{FRM}	Recurrent Peak Forward Current	70 A						
I_{FSM}	8.3 ms. Peak Forward Surge Current (Jedec Method)	400 A						
T_j	Operating Temperature Range	-65 to +175°C						
T_{stg}	Storage Temperature Range	-65 to +175°C						
E_{RSM}	Maximum non Repetitive Peak Reverse Avalanche energy. $I_R = 1.0 A; T_j = 25^\circ C$	20 mJ						

Electrical Characteristics at $T_{amb} = 25^\circ C$

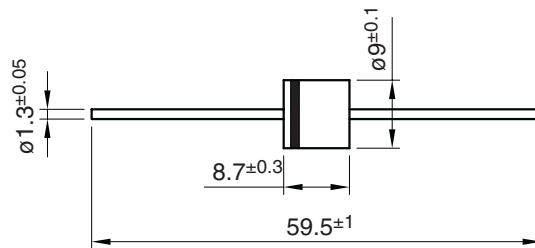
V_F	Maximum Forward Voltage Drop at $I_F = 6.0 A$	1.1 V
I_R	Maximum Reverse Current at V_{RRM}	5 μ A
	at 25 °C	100 μ A
	at 125 °C	
$R_{th(j-a)}$	Thermal Resistance ($l = 10mm.$)	10 °C/W

6.0 Amp. Glass Passivated Junction Rectifier

Ordering information

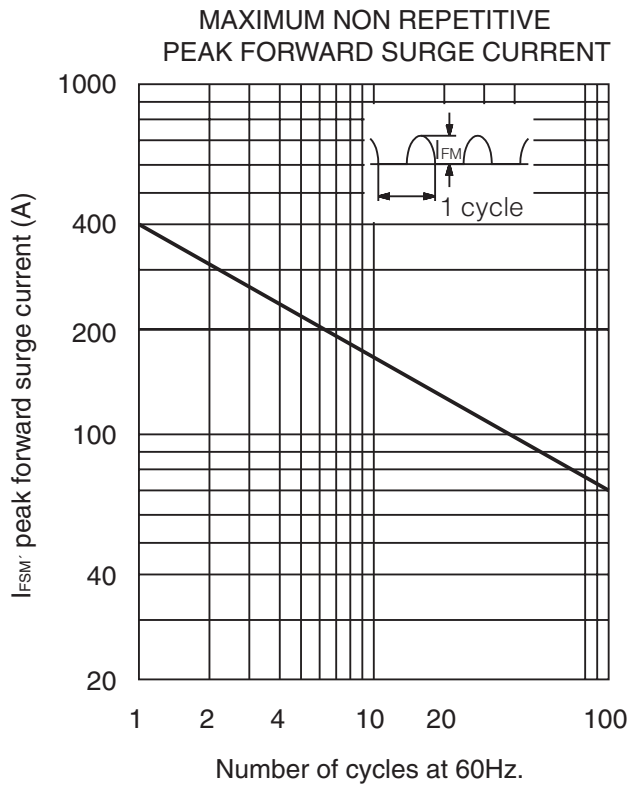
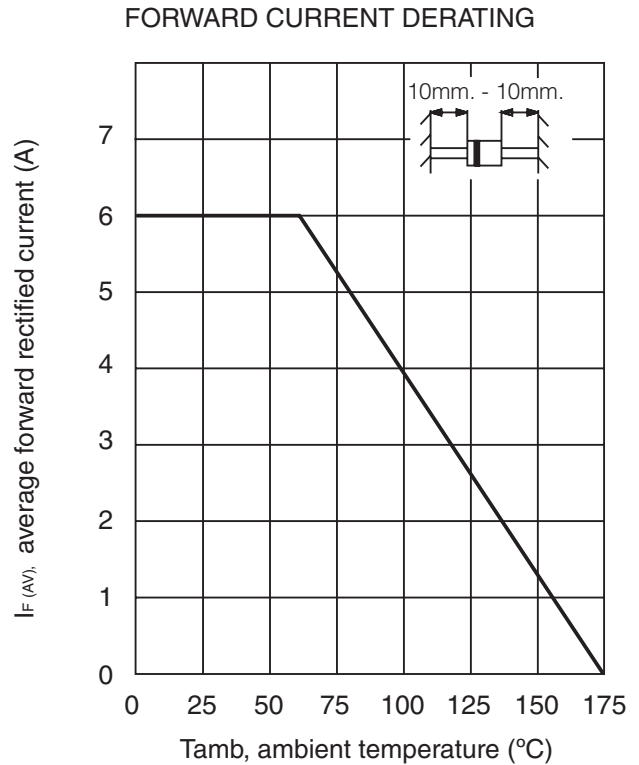
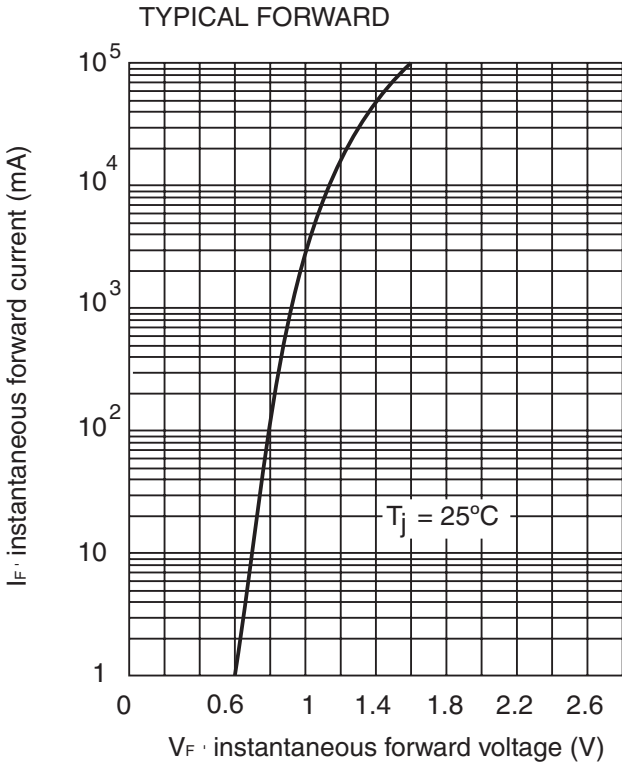
PREFERRED P/N	PACKAGE CODE	DELIVERY MODE	BASE QUANTITY	UNIT WEIGHT (g)
P600D AMP	AMP	AMMO BOX	400	1.968
P600D TR	TR	14" diameter tape and reel	800	1.968

Package Outline Dimensions: (mm) P-6



6.0 Amp. Glass Passivated Junction Rectifier

Ratings and Characteristics (Ta 25 °C unless otherwise noted)



6.0 Amp. Glass Passivated Junction Rectifier

Disclaimer

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