

### Maximun Ratings and Electrical Characteristics at 25°C

		P600A	P600B	P600D	P600G	P600J	P600K	P600M
V <sub>RRM</sub>	Peak Recurrent Reverse Voltage (V)	50	100	200	400	600	800	1000
I <sub>F(AV)</sub>	Forward Current at Tamb = 60 °C	6.0 A						
I <sub>FRM</sub>	Recurrent Peak Forward Current				70 A			
I <sub>FSM</sub>	8.3 ms. Peak Forward Surge Current (Jedec Method)	400 A						
Tj	Operating Temperature Range	-65 to +150°C						
T <sub>stg</sub>	Storage Temperature Range	-65 to +175°C						

#### Electrical Characteristics at Tamb = 25 °C

V <sub>F</sub>	Maximum Forward Voltage Drop at $I_F = 6.0 A$	1.1 V
I <sub>R</sub>	Maximum Reverse Current at V <sub>RRM</sub> at 25 °C at 125 °C	5 μΑ 100 μΑ
R <sub>th(j-a)</sub>	Thermal Resistance (I = 10mm.)	10 °C/W

Revision: 2

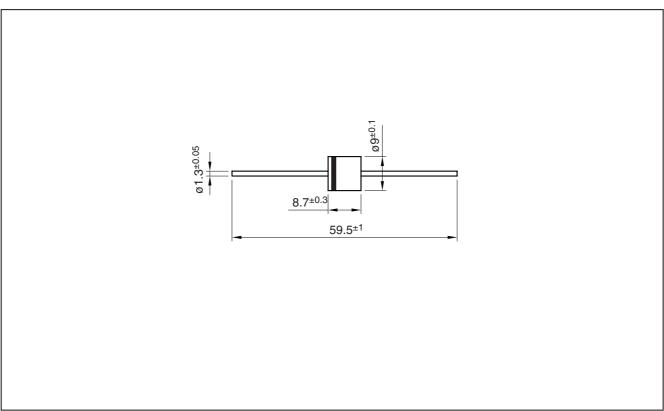
Version: May-17 Page Number: 1/4



## **Ordering information**

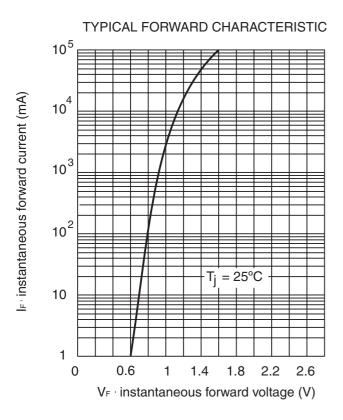
PREFERRED P/N	PACKAGE CODE	DELIVERY MODE	BASE QUANTITY	UNIT WEIGHT (g)
P600D AMP	AMP	AMMO BOX	400	1.968
P600D TR	TR	14" diameter tape and reel	800	1.968

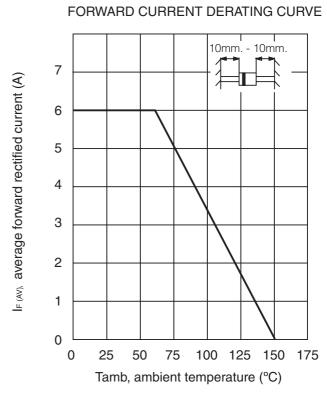
### Package Outline Dimensions: (mm) P-6

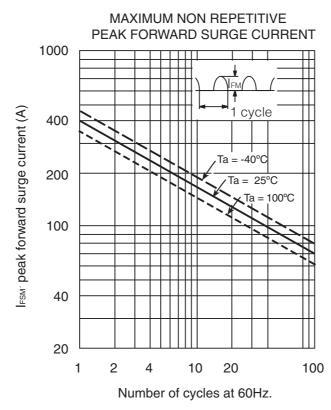




Ratings and Characteristics (Ta 25 °C unless otherwise noted)









#### **Revision History**

Date	Revision	Description of Changes
15-Jul-2012	0	Original Data Sheet
10-Jun-2014	1	Changed Tj: from -65 to + 175°C to -65 to + 150°C / Eliminated: ERSM
15-May-2017	2	New ambient temperature curves added to IFSM Versus No. cycles plot.

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Document Name: p600 Page Number: 4/4