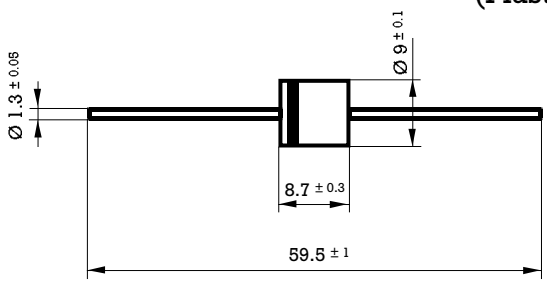
Product: General Purpose Rectifiers

Product	Family	$I_{F(AV)}$(A)	I_{FSM}(A)	V_{RRM}(V)	V_F(V)	OUTLINE
P600G	P600	6.0	400	400	1.1	P-6

6 Amp. Glass Passivated Junction Rectifier

Dimensions in mm. P-6 (Plastic)



Voltage 50 to 1000 V. Current 6.0 A. at 60 °C.

HYPERECTIFIER®

Mounting instructions

1. Min. distance from body to soldering point, 4 mm.
2. Max. solder temperature, 350 °C.
3. Max. soldering time, 3.5 sec.
4. Do not bend lead at a point closer than 4 mm. to the body.

- **Glass passivated junction**
- High surge capability
- High current capability
- The plastic material carries U/L recognition 94 V-0
- Terminals: Axial Leads
- Polarity: Color band denotes cathode

Maximum Ratings, according to IEC publication No. 134

		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 Tamb = 60 °C	6 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 = 1A ; T_J = 25 °C	20 mJ						

Electrical Characteristics at Tamb = 25 °C

V_F	Max. forward voltage drop at I_F = 6 A	1.1 V
I_R	Max. reverse current at V_{RRM} at 25 °C at 100 °C	5 µ A 100 µ A
R_{thj-a}	Max. thermal resistance (l = 10 mm.)	10 °C/W