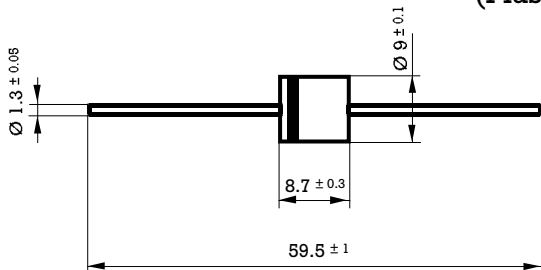


5 Amp. Glass Passivated Fast Recovery Rectifier

Dimensions in mm. P-6 (Plastic)  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.	Voltage 50 to 1000 V. Current 5.0 A. at 55 °C.  • Glass passivated junction • High surge capability • The plastic material carries U/L recognition 94 V-0 • Terminals: Axial Leads • Polarity: Color band denotes cathode
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Maximum Ratings, according to IEC publication No. 134

		RGP 50A	RGP 50B	RGP 50D	RGP 50G	RGP 50J	RGP 50K	RGP 50M
V _{RRM}	Peak recurrent reverse voltage (V)	50	100	200	400	600	800	1000
I _{F(AV)}	Forward current at Tamb = 55 °C	5 A						
I _{FRM}	Recurrent peak forward current	60 A						
I _{FSM}	8.3 ms. peak forward surge current (Jedec Method)	300 A						
t _{rr}	Max. reverse recovery time from I _F = 0.5 A I _R = 1 A I _{RR} = 0.25 A	150 ns				250 ns	500 ns	
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 $I_F = 5 A$	1.3 V
I_R	Max. reverse current at V_{RRM} at 25 °C	5 μA
R_{thj-a}	Max. thermal resistance (l = 10 mm.)	10 °C/W

Rating and Characteristic Curves

