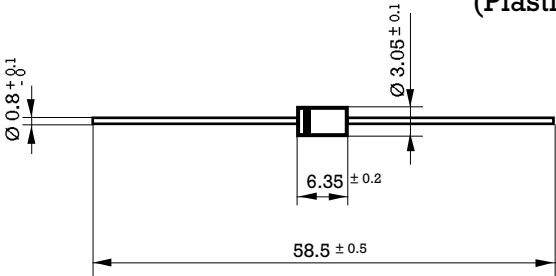


1.5 Amp. Glass Passivated Fast Recovery Rectifier

<p>Dimensions in mm.</p> <p>DO-15 (Plastic)</p>  <p>Mounting instructions</p> <ol style="list-style-type: none"> 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 2 mm. to the body. 	<p>Voltage 50 to 1000 V.</p> <p>Current 1.5 A. at 55 °C.</p> <p>HYPERECTIFIER®</p> <ul style="list-style-type: none"> • Glass passivated junction • High current 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

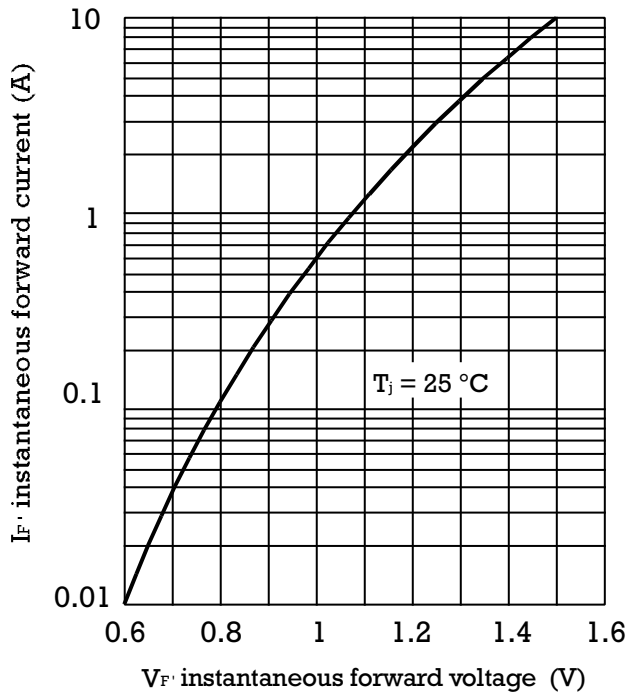
		RGP 15A	RGP 15B	RGP 15D	RGP 15G	RGP 15J	RGP 15K	RGP 15M	RGP 15MT
V _{RRM}	Peak recurrent reverse voltage (V)	50	100	200	400	600	800	1000	1000
I _{F(AV)}	Forward current at Tamb = 55 °C	1.5 A							
I _{FRM}	Recurrent peak forward current	10 A							
I _{FSM}	8.3 ms. peak forward surge current (Jedec Method)	50 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	300 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 $T_{amb} = 25\text{ °C}$

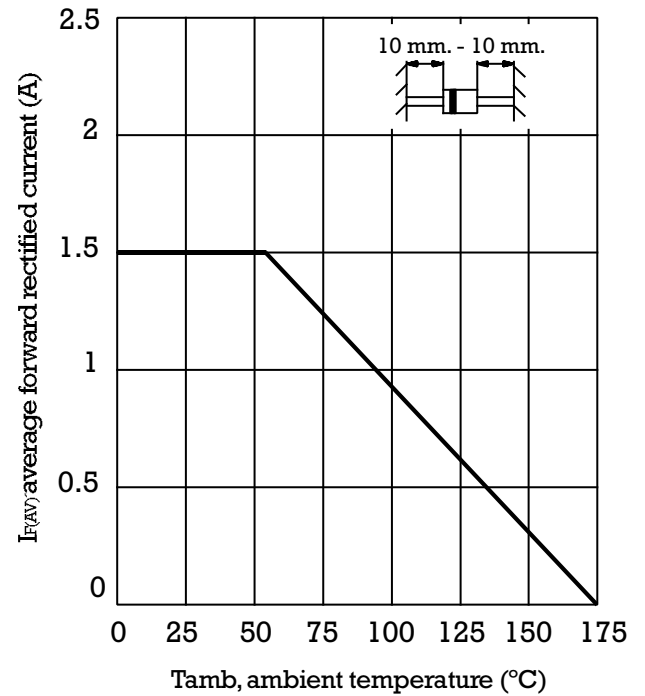
V_F	Max. forward voltage drop at $I_F = 1.5\text{ A}$	1.3 V
I_R	Max. reverse current at V_{RRM} at 25 °C at 150 °C	5 $\mu\text{ A}$ 200 $\mu\text{ A}$
R_{thj-a}	Thermal resistance ($l = 10\text{ mm.}$) Max. Typ.	50 °C/W 30 °C/W

Rating And Characteristic Curves

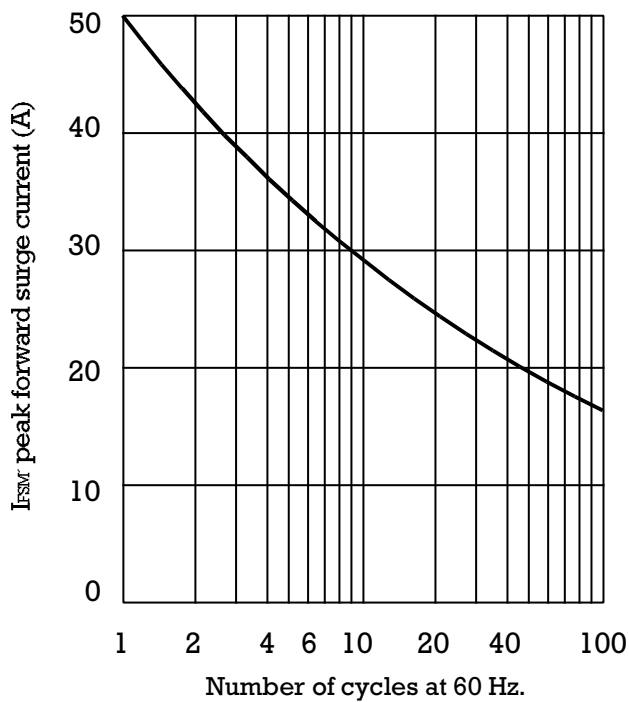
TYPICAL FORWARD CHARACTERISTIC



FORWARD CURRENT DERATING CURVE



MAXIMUM NON REPETITIVE
PEAK FORWARD SURGE CURRENT



TYPICAL JUNCTION CAPACITANCE

