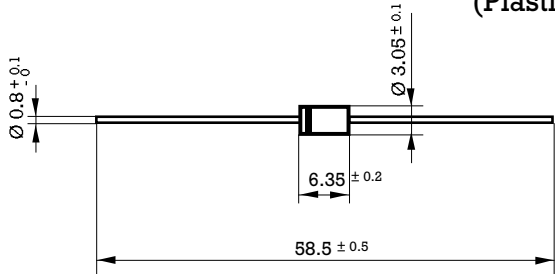


1.5 Amp. Glass Passivated Fast Recovery Rectifier

Dimensions in mm. DO-15 (Plastic) 	Voltage 50 to 1000 V. Current 1.5 A. at 55 °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 2 mm. to the body.	• Glass passivated junction • 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

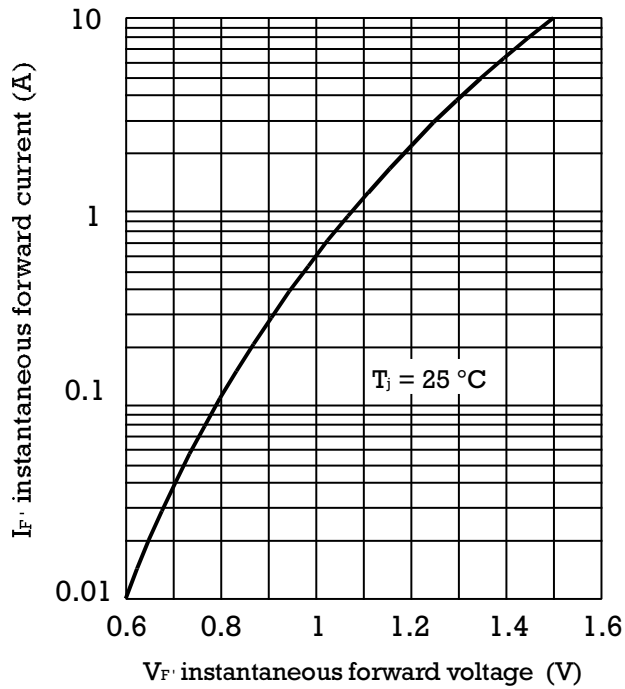
		RGP 15A	RGP 15B	RGP 15D	RGP 15G	RGP 15J	RGP 15K	RGP 15KT	RGP 15M	RGP 15MT
V _{RRM}	Peak recurrent reverse voltage (V)	50	100	200	400	600	800	800	1000	1000
I _{F(AV)}	Forward current at Tamb = 55 °C	1.5 A								
I _{FRM}	Recurrent peak forward current	10 A								
I _{FSM}	8.3 ms. peak forward surge current (Iedec Method)	50 A								
t _{Tr}	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	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 = 1 A ; T _j = 25 °C	20 mJ								

Electrical Characteristics at Tamb = 25 °C

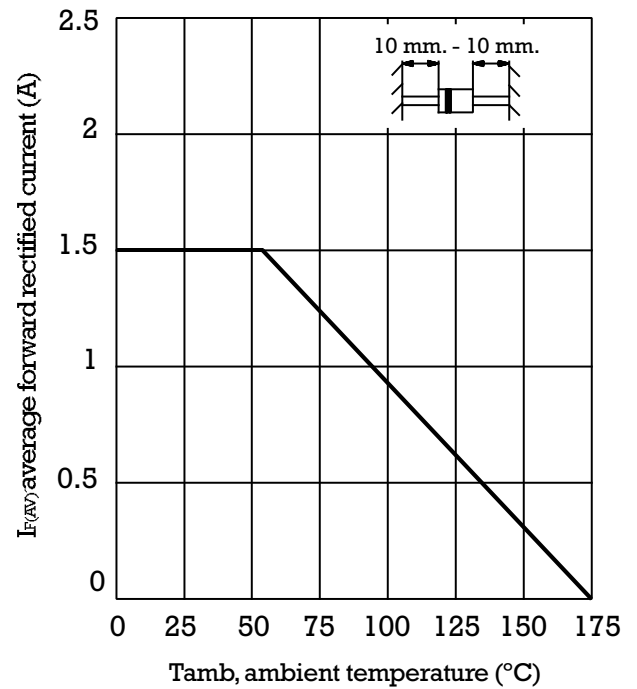
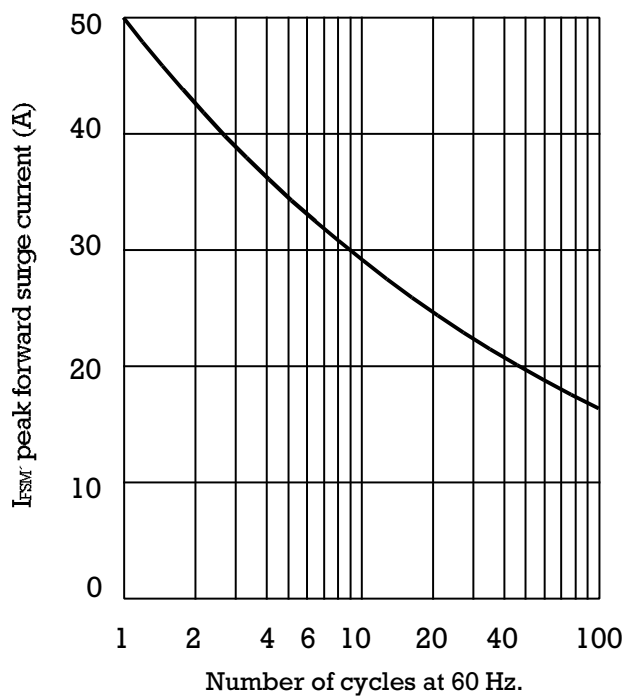
V_F	Max. forward voltage drop at $I_F = 1.5 A$	1.3 V
I_R	Max. reverse current at V_{RRM} at 25 °C at 150 °C	5 μA 200 μA
R_{thj-a}	Thermal resistance (l = 10 mm.) Max. Typ.	50 °C/W 30 °C/W

Rating And Characteristic Curves

TYPICAL FORWARD CHARACTERISTIC



FORWARD CURRENT DERATING CURVE

MAXIMUM NON REPETITIVE
PEAK FORWARD SURGE CURRENT

TYPICAL JUNCTION CAPACITANCE

