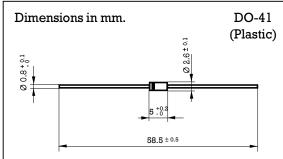
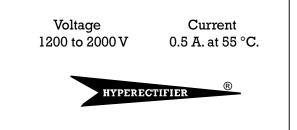


0.5 Amp. Glass Passivated Fast Recovery Rectifier



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

		RGP02 -12	RGP02 -14	RGP02 -16	RGP02 -18	RGP02 -20
V_{RRM}	Peak recurrent reverse voltage (V)	1200	1400	1600	1800	2000
I _{F(AV)}	Forward current at Tamb = 55 °C			0.5 A		
I _{FRM}	Recurrent peak forward current	7 A				
I _{FSM}	8.3 ms. peak forward surge current (Jedec Method)	20 A				
t _{rr}	$ \begin{array}{ll} \text{Max. reverse recovery} & I_{\scriptscriptstyle F} = 0.5 \text{ A} \\ \text{I}_{\scriptscriptstyle R} = 1 \text{ A} \\ I_{\scriptscriptstyle RR} = 0.25 \text{ A} \\ \end{array} $			300 ns		
T_{j}	Operating temperature range	− 65 to + 175 °C				
T_{stg}	Storage temperature range – 65 to + 175 °C					

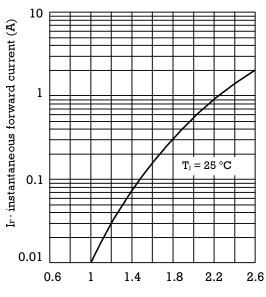
Electrical Characteristics at Tamb = 25 °C

7	\mathcal{N}_{F}	Max. forward voltage drop at $\rm I_F = 0.5~\mbox{\it P}$ $\rm I_F = 0.1~\mbox{\it P}$	
I	R	Max. reverse current at V_{RRM} at 25 ° at 150 °	
F	₹ _{thj-a}	Thermal resistance ($I = 10 \text{ mm.}$) $\frac{\text{Ma}}{\text{Ty}}$	00 0/11

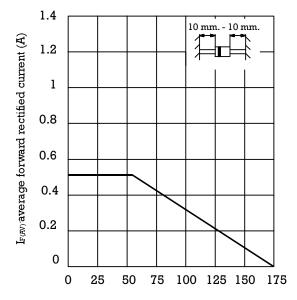


Rating And Characteristic Curves

TYPICAL FORWARD CHARACTERISTIC

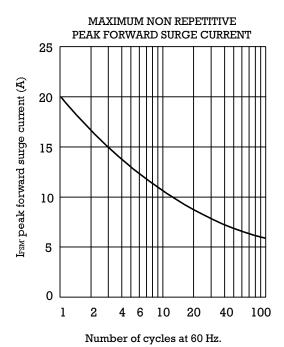


FORWARD CURRENT DERATING CURVE



Tamb, ambient temperature (°C)

$V_{F'}$ instantaneous forward voltage (V)



Mar - 00