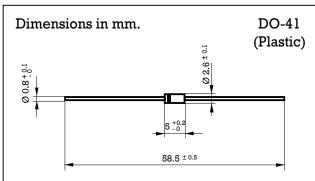


# 1 Amp. Glass Passivated Fast Recovery Rectifier



# Voltage Current 400 to 1000 V. 1.0 A. at 50 °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

		BA157GP	BA158GP	BA159GP
V <sub>RRM</sub>	Peak recurrent and non recurrent reverse voltage (V)	400	600	1000
I <sub>F(AV)</sub>	Forward current at Tamb = 50 °C		1 A	
$I_{FRM}$	Recurrent peak forward current		9 A	
$I_{FSM}$	10 ms. peak forward surge current	35 A		
t <sub>rr</sub>	$\begin{array}{ll} \text{Max. reverse recovery} & I_{\scriptscriptstyle F} = 0.5 \text{ A} \\ \text{time from} & I_{\scriptscriptstyle R} = 1 \text{ A} \\ I_{\scriptscriptstyle RR} = 0.25 \text{ A} \end{array}$	150 ns	250 ns	500 ns
$T_{j}$	Operating temperature range	− 65 to + 175 °C		
$T_{ m stg}$	Storage temperature range	− 65 to + 175 °C		
E <sub>RSM</sub>	Maximum non repetitive peak reverse avalanche energy. $I_R = 0.5 \text{ A}$ ; $T_J = 25  ^{\circ}\text{C}$	20 mJ		

### Electrical Characteristics at Tamb = 25 °C

$V_{\scriptscriptstyle F}$	Forward voltage drop at $I_F = 1 A$	1.3 V
$I_R$	Reverse current at V <sub>RRM</sub> at 25 °C at 125 °C	
R <sub>thj-a</sub>	Thermal resistance ( $I = 10 \text{ mm.}$ ) Type	

## Rating And Characteristic Curves

