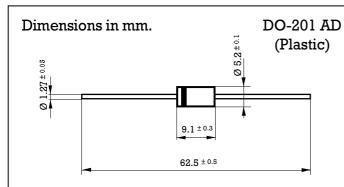


3 Amp. Glass Passivated Fast Recovery Rectifier



Voltage Current 50 to 600 V. 3.0 A. at 90 °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 3 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

		MR 850 GP	MR 851 GP	MR 852 GP	MR 854 GP	MR 856 GP
V_{RRM}	Peak recurrent and non recurrent reverse voltage (V)	50	100	200	400	600
I _{F(AV)}	Forward current at Tamb = 90 °C	3.0 A				
I_{FRM}	Recurrent peak forward current (A)	15 A				
I _{FSM}	10 ms. peak forward surge current	100 A				
t _{rr}	$\begin{array}{c} \text{Max. reverse recovery} & I_F = 0.5 \text{ A} \\ \text{time from} & I_R = 1 \text{ A} \\ I_{RR} = 0.25 \text{ A} \end{array}$	150 ns				
T_{j}	Operating temperature range	− 65 to + 175 °C				
$T_{ m stg}$	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

$V_{\scriptscriptstyle F}$	Max. forward voltage drop at $I_F = 3 \text{ A}$	1.25 V		
$I_{\mathbb{R}}$	Max. reverse current at V_{RRM} at 25 °C at 125 °C	5 μ A 100 μ A		
R _{thj-a}	Thermal resistance ($I = 10 \text{ mm.}$) Max. Typ.	30 °C/W 15 °C/W		

Rating And Characteristic Curves

