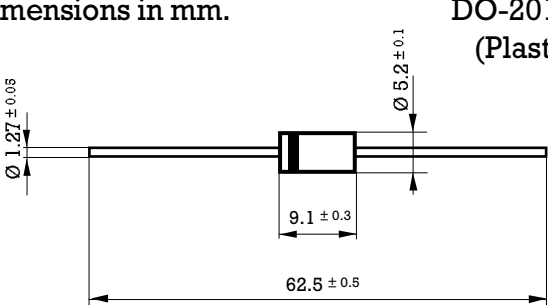


3 Amp. Glass Passivated Fast Recovery Rectifier

Dimensions in mm.  DO-201 AD (Plastic) 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.	Voltage 50 to 600 V. Current 3.0 A. at 90 °C.  • 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

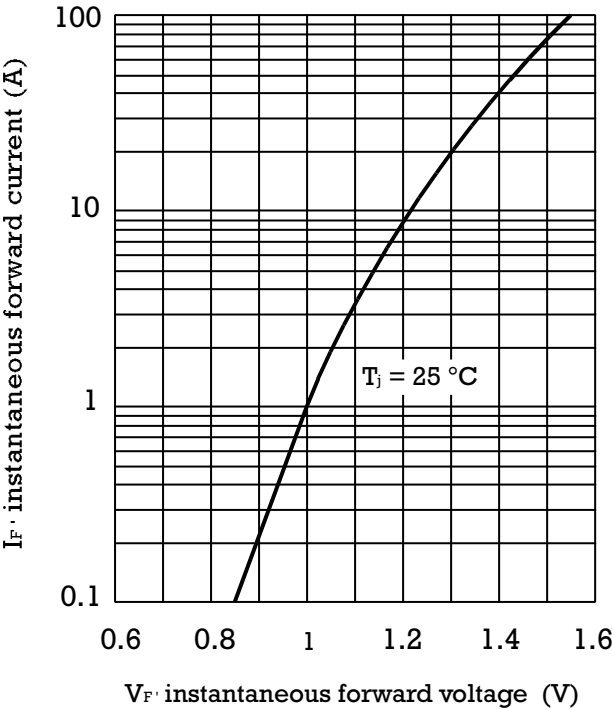
		MR 850 GP	MR 851 GP	MR 852 GP	MR 854 GP	MR 856 GP
V_{RRM}	Peak recurrent and non recurrent reverse voltage (V)	50	100	200	400	600
$I_{F(AV)}$	Forward current at Tamb = 90 °C	3.0 A				
I_{FRM}	Recurrent peak forward current (A)	15 A				
I_{FSM}	10 ms. peak forward surge current	100 A				
t_{rr}	Max. reverse recovery time from $I_F = 0.5 A$ $I_R = 1 A$ $I_{RR} = 0.25 A$	150 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

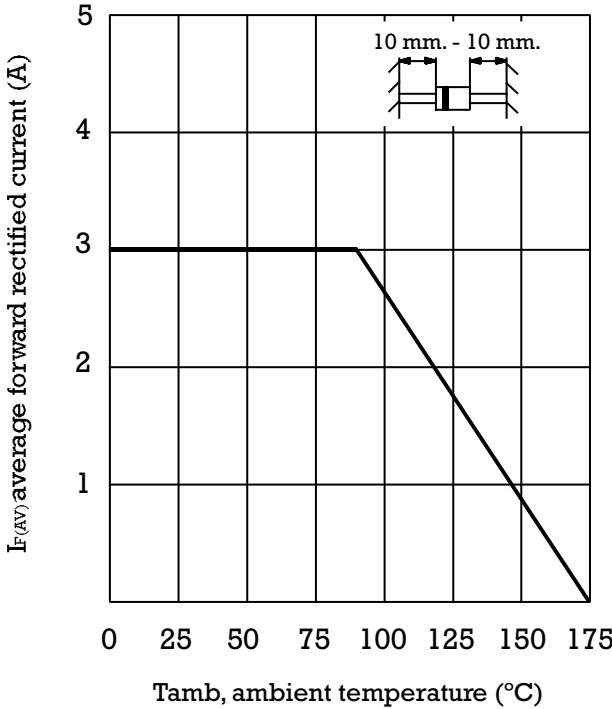
V_F	Max. forward voltage drop at $I_F = 3 A$	1.25 V
I_R	Max. reverse current at V_{RRM} at 25 °C at 125 °C	5 µA 100 µA
R_{thj-a}	Thermal resistance (l = 10 mm.) Max. Typ.	30 °C/W 15 °C/W

Rating And Characteristic Curves

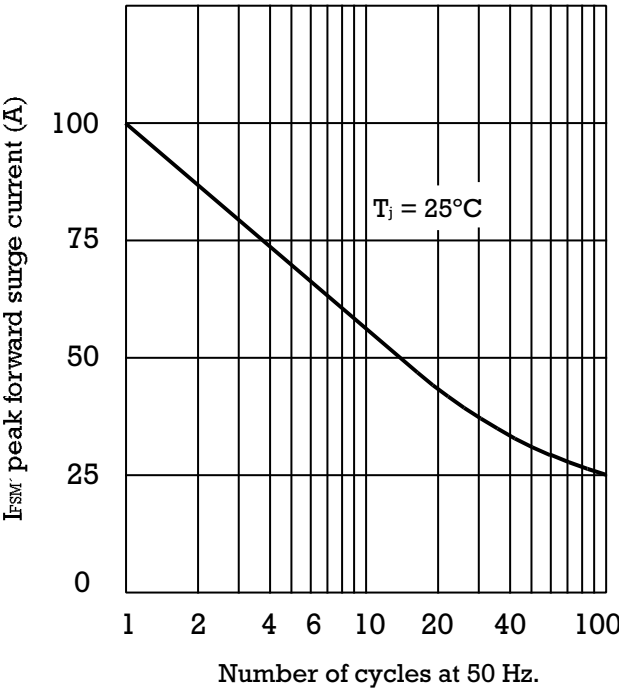
TYPICAL FORWARD CHARACTERISTIC



FORWARD CURRENT DERATING CURVE



MAXIMUM NON REPETTIVE
PEAK FORWARD SURGE CURRENT



TYPICAL JUNCTION CAPACITANCE

