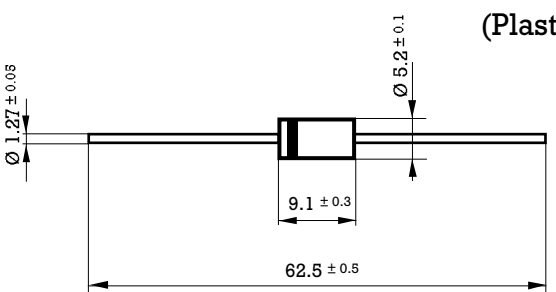


3 Amp. Glass Passivated Fast Recovery Rectifier

Dimensions in mm. DO-201 AD (Plastic) 	Voltage 100 to 800 V. Current 3.0 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 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

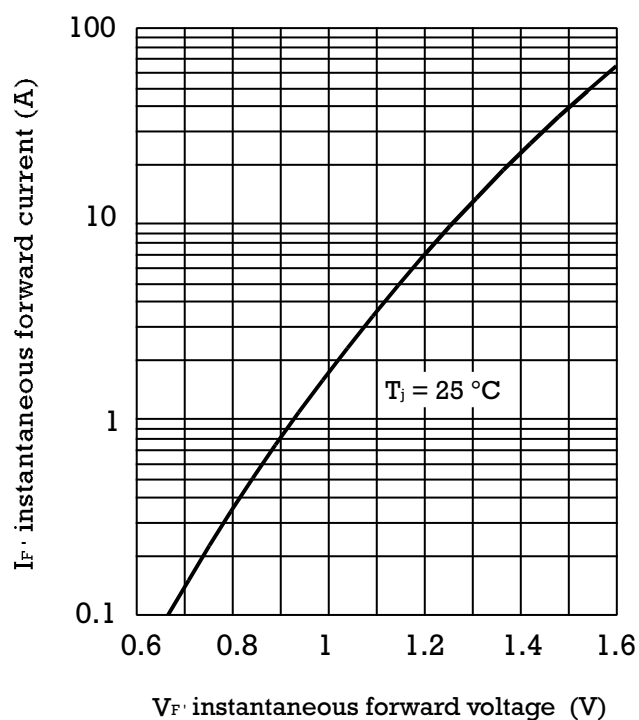
		BY396GP	BY397GP	BY398GP	BY399GP
V_{RRM}	Peak recurrent and non recurrent reverse voltage (V)	100	200	400	800
$I_{F(AV)}$	Forward current at Tamb = 50 °C	3 A			
I_{FRM}	Recurrent peak forward current (A)	15A			
I_{FSM}	10 ms. peak forward surge current	100 A			
t_{rr}	Max. reverse recovery time from $I_F = 0.5 A$ $I_R = 1 A$ $I_{RR} = 0.25 A$	150 ns			500 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. $I_R = 1A$; $T_j = 25$ °C	20 mJ			

Electrical Characteristics at Tamb = 25 °C

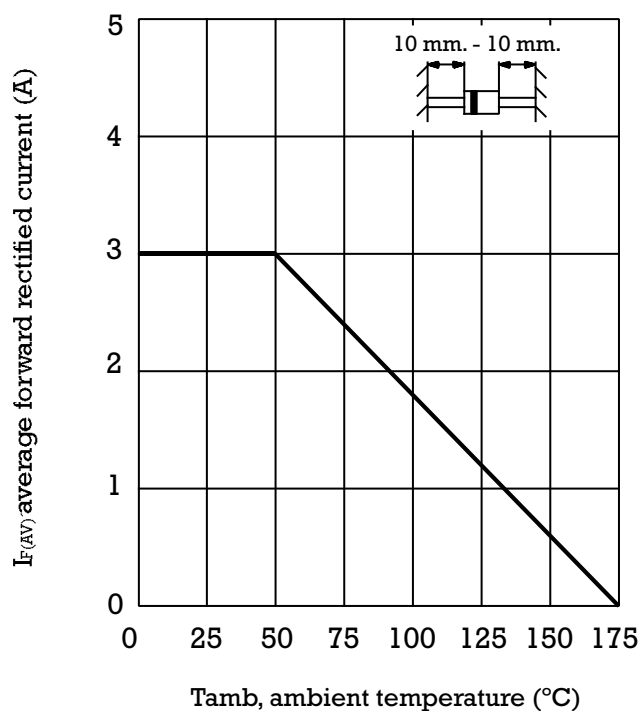
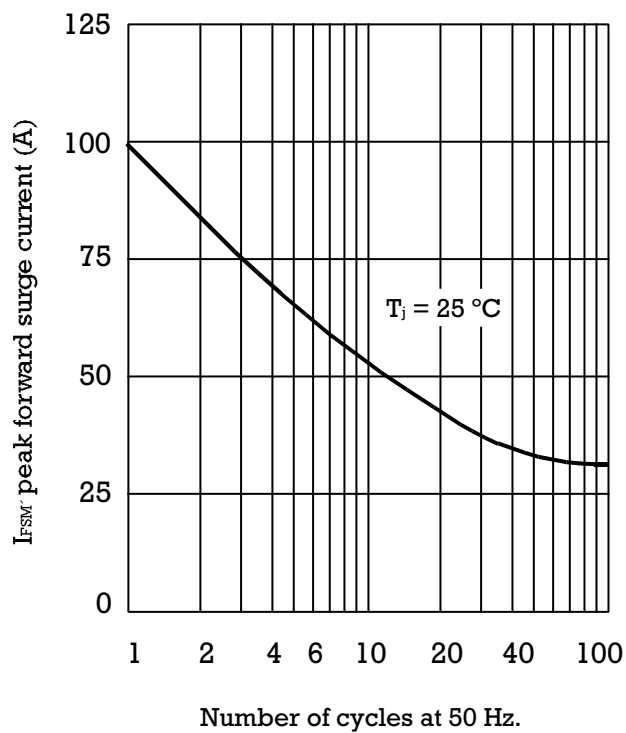
V_F	Max. forward voltage drop at $I_F = 3 A$	1.3 V
I_R	Max. reverse current at V_{RRM} at 25 °C at 125 °C	5 μA 100 μA
R_{thj-a}	Thermal resistance (l = 10 mm.) Max. Typ.	30 °C/W 15 °C/W

Rating And Characteristic Curves

TYPICAL FORWARD CHARACTERISTIC



FORWARD CURRENT DERATING CURVE

MAXIMUM NON REPETITIVE
PEAK FORWARD SURGE CURRENT

TYPICAL JUNCTION CAPACITANCE

