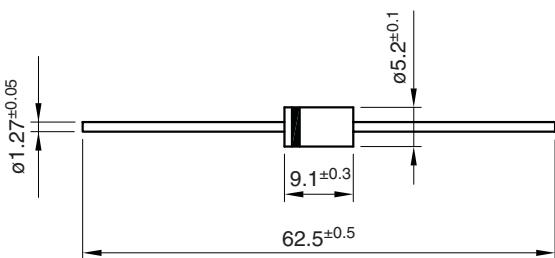


3 Amp. Glass Passivated Fast Recovery Rectifier

Dimensions in mm.  DO-201AD (Plastic)	Voltage 100 to 800 V Current 3.0 A at 50 °C 
Mounting instructions <ol style="list-style-type: none"> Min. distance from body to soldering point, 4 mm. Max. solder temperature, 350 °C. Max. soldering time, 3.5 sec. Do not bend lead at a point closer than 3 mm. to the body. 	<ul style="list-style-type: none"> 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 $T_{amb} = 50^\circ C$			3 A	
I_{FRM}	Recurrent Peak Forward Current			15 A	
I_{FSM}	10 ms. Peak Forward Surge Current			100 A	
t_{rr}	Maximum 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. $I_R = 1 A$; $T_j = 25^\circ C$			20 mJ	

Electrical Characteristics at $T_{amb} = 25^\circ C$

V_F	Maximum Forward Voltage Drop at $I_F = 3 A$	1.3 V
I_R	Maximun Reverse Current at V_{RRM} at 25 °C at 125 °C	5 µA 100 µA
$R_{th(j-a)}$	Thermal Resistance ($l = 10mm.$) Max. Typ.	30 °C/W 15 °C/W

