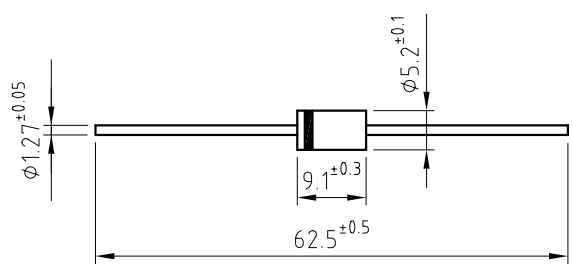



3 Amp. Glass Passivated Junction Rectifier

<p>Dimensions in mm.</p> <p style="text-align: right;">DO-201AD (Plastic)</p>  <p>Mounting instructions</p> <ol style="list-style-type: none"> 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. 	<p style="text-align: center;">Voltage 50 to 1000 V</p> <p style="text-align: center;">Current 3.0 A at 105°C</p> <div style="text-align: center; margin: 20px 0;">  </div> <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
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Maximum Ratings, according to IEC publication No. 134

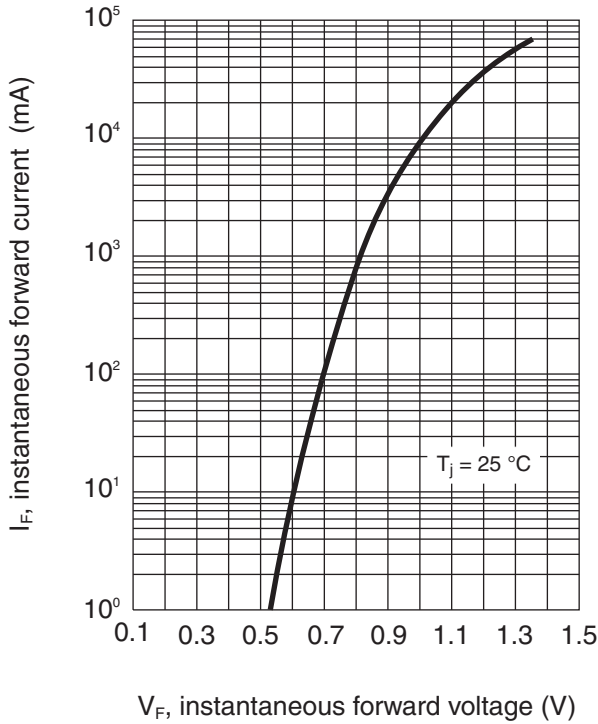
		1N 5400GP	1N 5401GP	1N 5402GP	1N 5404GP	1N 5406GP	1N 5407GP	1N 5408GP
V_{RRM}	Peak Recurrent Reverse Voltage (V)	50	100	200	400	600	800	1000
$I_{F(AV)}$	Forward Current at $T_{amb} = 105^\circ\text{C}$	3 A						
I_{FRM}	Recurrent Peak Forward Current	30 A						
I_{FSM}	8.3 ms. Peak Forward Surge Current (Jedec Method)	200 A						
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. $I_R = 1\text{A}; T_j = 25^\circ\text{C}$	20 mJ						

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

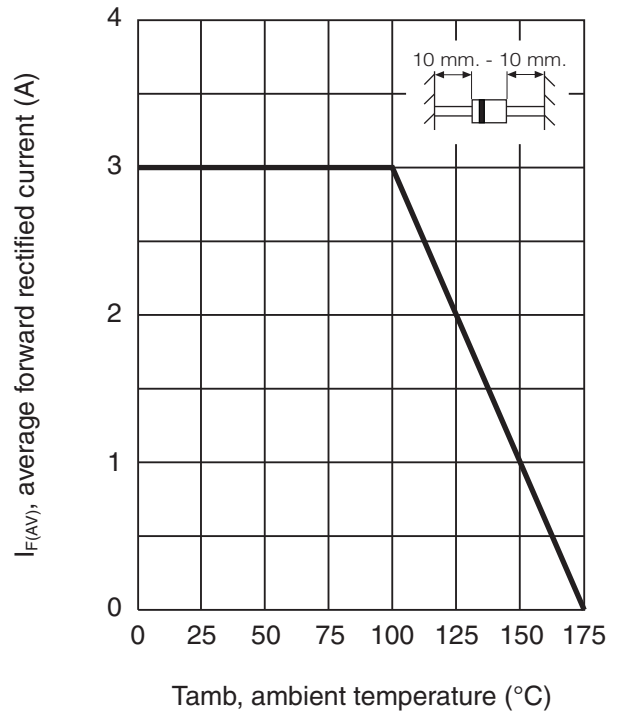
V_F	Maximum Forward Voltage Drop at $I_F = 3\text{A}$	1.2 V
I_R	Maximum Reverse Current at V_{RRM} at 25°C at 150°C	5 μA 500 μA
R_{thj-a}	Maximum Thermal Resistance ($l = 10\text{mm.}$)	30 °C/W

Characteristic Curves

TYPICAL FORWARD CHARACTERISTIC



FORWARD CURRENT DERATING CURVE



MAXIMUM NON REPETITIVE PEAK FORWARD SURGE CURRENT

