

3 Amp. Glass Passivated Junction Rectifier

<p>Dimensions in mm.</p> <p>DO-201AD (Plastic)</p>	<p>Voltage 50 to 1000 V.</p> <p>Current 3.0 A. at 105°C.</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. 	<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

		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	Max. forward voltage drop at $I_F = 3\text{ A}$	1.2 V
I_R	Max. reverse current at V_{RRM} at 25°C at 150°C	10 μA 500 μA
R_{thj-a}	Max. thermal resistance ($l = 10\text{ mm.}$)	30° C/W

Characteristic Curves

