

### 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><b>Mounting instructions</b></p> <ol style="list-style-type: none"> <li>1. Min. distance from body to soldering point, 4 mm.</li> <li>2. Max. solder temperature, 350°C.</li> <li>3. Max. soldering time, 3.5 sec.</li> <li>4. Do not bend lead at a point closer than 3 mm. to the body.</li> </ol>	<ul style="list-style-type: none"> <li>• Glass Passivated Junction</li> <li>• High current capability</li> <li>• The plastic material carries U/L recognition 94 V-0</li> <li>• Terminals: Axial Leads</li> <li>• Polarity: Color band denotes cathode</li> </ul>

#### 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 $\mu\text{A}$ 500 $\mu\text{A}$
$R_{thj-a}$	Max. thermal resistance ( $l = 10\text{ mm.}$ )	30° C/W

Characteristic Curves

