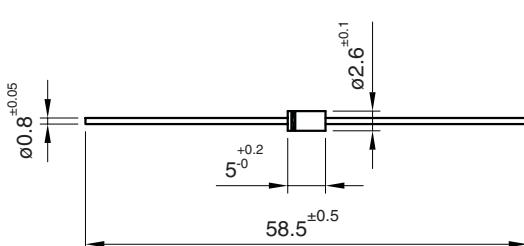


## 1 Amp. Glass Passivated Junction Rectifier

Dimensions in mm.	DO-41 (Plastic)	Voltage 50 to 1000 V	Current 1.0 A at 75 °C
			
<b>Mounting instructions</b>	<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 4001GP	1N 4002GP	1N 4003GP	1N 4004GP	1N 4005GP	1N 4006GP	1N 4007GP
$V_{RRM}$	Peak Recurrent Reverse Voltage (V)	50	100	200	400	600	800	1000
$I_{F(AV)}$	Forward Current at Tamb = 75 °C					1.0 A		
$I_{FRM}$	Recurrent Peak Forward Current					10 A		
$I_{FSM}$	8.3 ms. Peak Forward Surge Current (Jedec Method)					30 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. $I_R = 0.5$ A; $T_j = 25$ °C					20 mJ		

### Electrical Characteristics at Tamb = 25°C

$V_F$	Maximum Forward Voltage Drop at $I_F = 1$ A	1.1 V
$I_R$	Maximun Reverse Current at $V_{RRM}$ at 25 °C at 125 °C	5 µA 50 µA
$R_{th(j-a)}$	Thermal Resistance ( $I = 10$ mm.) Max. Typ.	60 °C/W 45 °C/W

## Rating And Characteristic Curves

