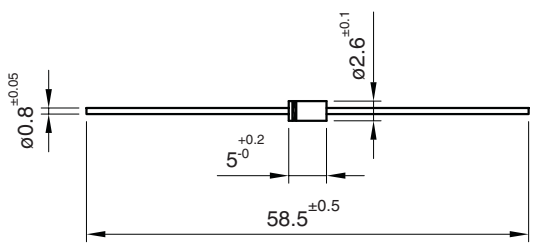


1 Amp. Glass Passivated Junction Rectifier

Dimensions in mm. DO-41 (Plastic)  Mounting instructions 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 2 mm. to the body.	Voltage 50 to 1000 V Current 1.0 A at 75 °C HYPERECTIFIER® • 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

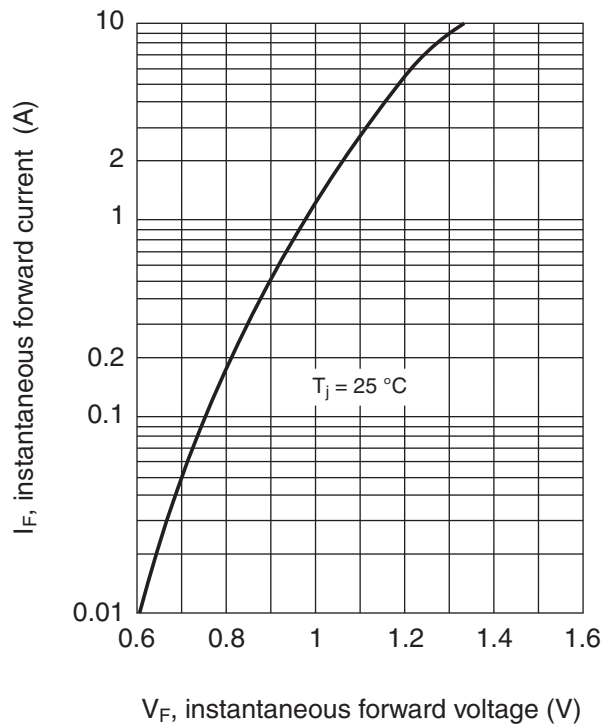
		1N 4001GP	1N 4002GP	1N 4003GP	1N 4004GP	1N 4005GP	1N 4006GP	1N 4007GP
V_{RRM}	Peak Recurrent Reverse Voltage (V)	50	100	200	400	600	800	1000
$I_{F(AV)}$	Forward Current at $T_{amb} = 75\text{ °C}$	1.0 A						
I_{FRM}	Recurrent Peak Forward Current	10 A						
I_{FSM}	8.3 ms. Peak Forward Surge Current (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. $I_R = 0.5\text{ A}; T_j = 25\text{ °C}$	20 mJ						

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

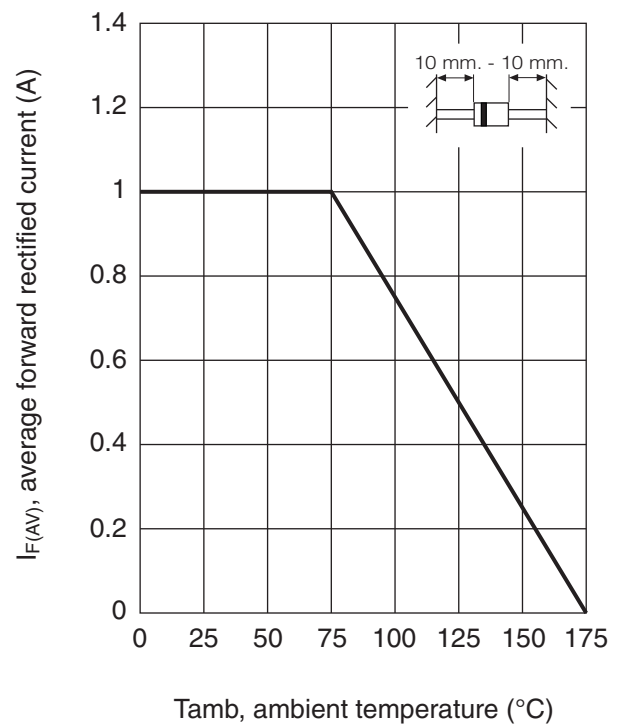
V_F	Maximum Forward Voltage Drop at $I_F = 1\text{ A}$	1.1 V
I_R	Maximun Reverse Current at V_{RRM} at 25 °C at 125 °C	5 µA 50 µA
$R_{th(j-a)}$	Thermal Resistance ($l = 10\text{mm.}$) Max. Typ.	60 °C/W 45 °C/W

Rating And Characteristic Curves

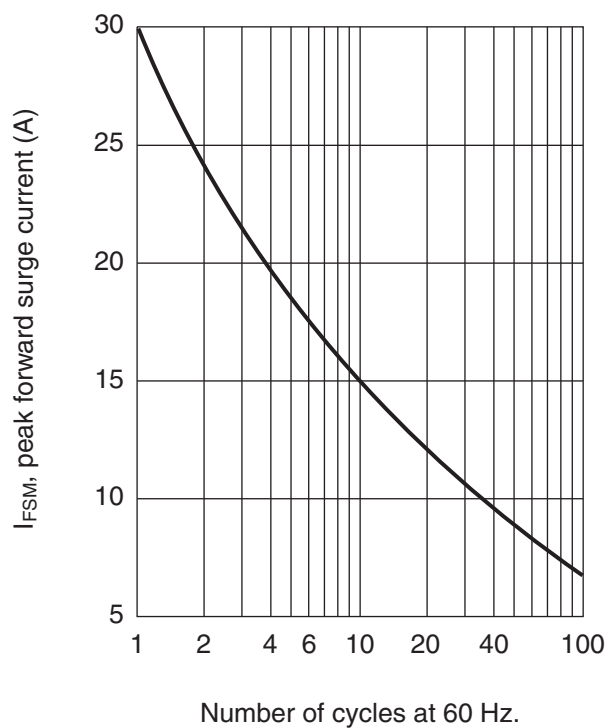
TYPICAL FORWARD CHARACTERISTIC



FORWARD CURRENT DERATING CURVE



MAXIMUM NON REPETITIVE
PEAK FORWARD SURGE CURRENT



TYPICAL JUNCTION CAPACITANCE

