



1N5400 1N5408

3 Amp. Silicon Rectifier Diodes

<p>Dimensions in mm.</p> <p>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>Voltage 50 to 1000 V.</p> <p>Current 3.0 A. at 105°C.</p>
	<ul style="list-style-type: none"> • Low cost • Diffused 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 60/8005 60/8015 60/8024 60/8032 60/8042 60/8052 60/8062

		1N 5400	1N 5401	1N 5402	1N 5404	1N 5406	1N 5407	1N 5408
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 + 150 °C						
T_{stg}	Storage temperature range	- 65 to + 150 °C						

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



1N5400

Characteristic Curves

