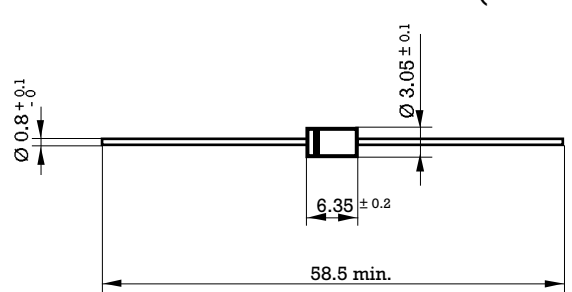


1.5 Amp. Silicon Rectifier Diodes

<p>Dimensions in mm.</p> <p style="text-align: right;">DO-15 (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 2 mm. to the body. 	<p>Voltage 50 to 1000 V.</p> <p>Current 1.5 A. at 70°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
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Maximum Ratings, according to IEC publication No. 134

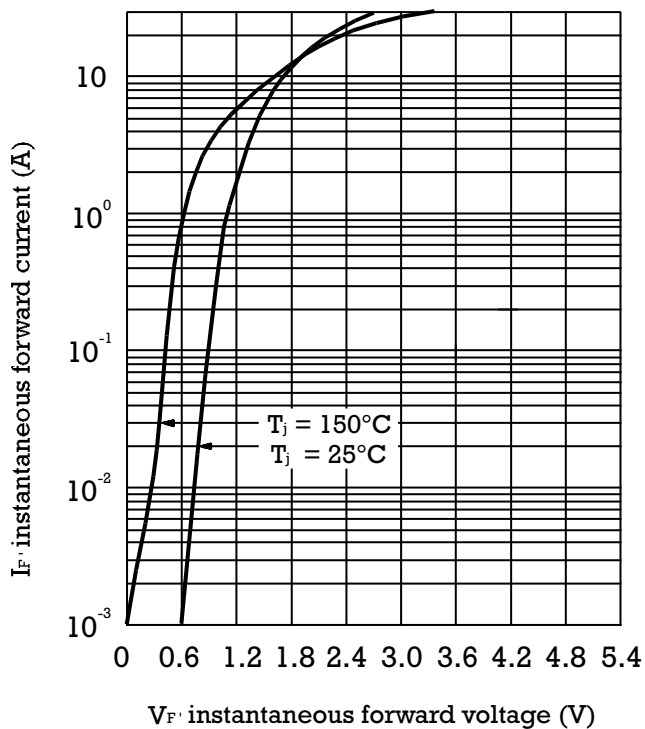
		1N 5391	1N 5392	1N 5393	1N 5394	1N 5395	1N 5396	1N 5397	1N 5398	1N 5399
V_{RRM}	Peak recurrent reverse voltage (V)	50	100	200	300	400	500	600	800	1000
$I_{F(AV)}$	Forward current at $T_{amb} = 70^{\circ}C$	1.5 A								
I_{FRM}	Recurrent peak forward current	10 A								
I_{FSM}	8.3 ms. peak forward surge current (Jedec Method)	50 A								
T_j	Operating temperature range	- 65 to + 150 °C								
T_{stg}	Storage temperature range	- 65 to + 150 °C								

Electrical Characteristics at $T_{amb} = 25^{\circ}C$

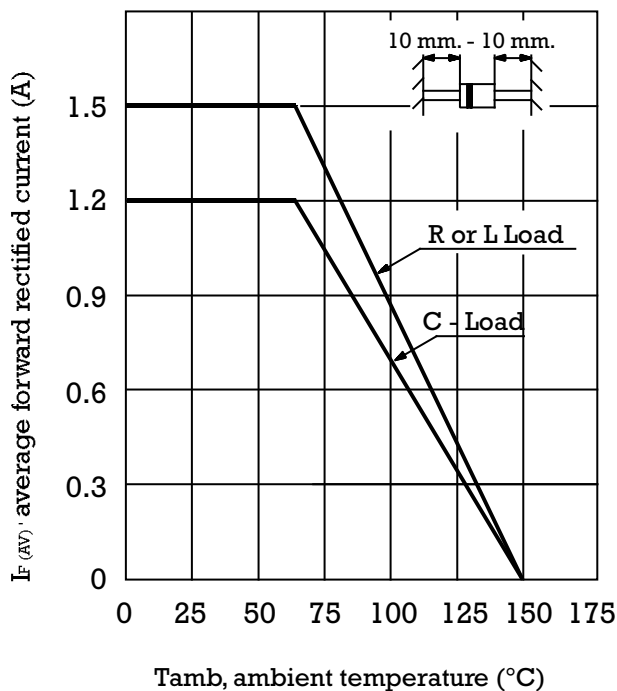
V_F	Max. forward voltage drop at $I_F = 1.5 A$	1.2 V
I_R	Max. reverse current at V_{RRM} at 25°C at 150°C	5 μA 300 μA
R_{thj-a}	Max. thermal resistance (l = 10 mm.)	60° C/W

Characteristic Curves

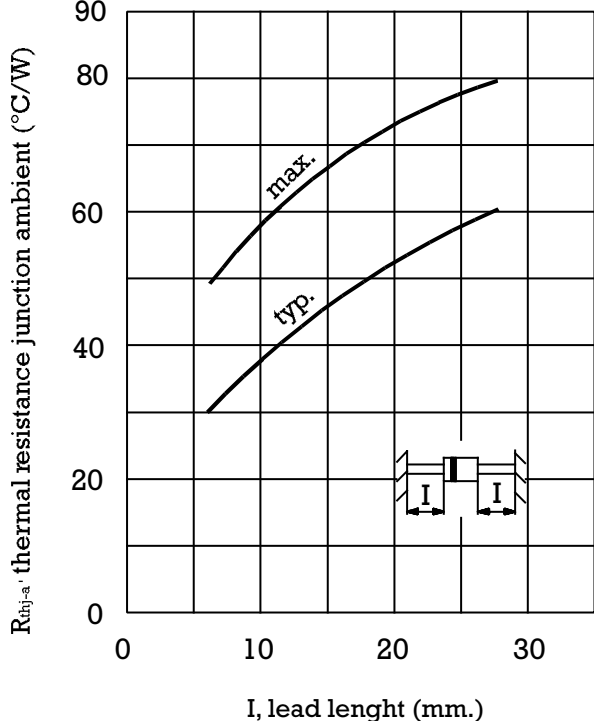
TYPICAL FORWARD CHARACTERISTIC



FORWARD CURRENT DERATING CURVE



THERMAL RESISTANCE



MAXIMUM NON REPETITIVE PEAK FORWARD SURGE CURRENT

