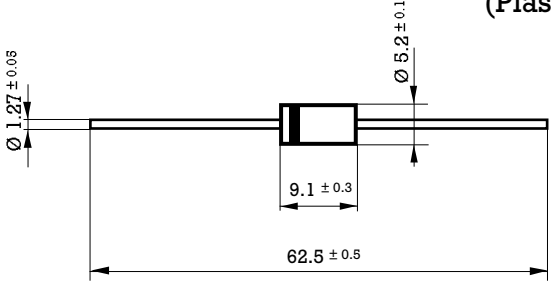


5 Amp. Silicon Rectifier Diodes

<p>Dimensions in mm.</p> <p>DO-201AD (Plastic)</p> 	<p>Voltage 50 to 1000 V.</p> <p>Current 5.0 A. at 60°C.</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. 	<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

		BY 550-50	BY 550-100	BY 550-200	BY 550-400	BY 550-600	BY 550-800	BY 550-1000
V_{RRM}	Peak recurrent reverse voltage (V)	50	100	200	400	600	800	1000
$I_{F(AV)}$	Forward current at $T_{amb} = 60^\circ C$	5 A						
I_{FRM}	Recurrent peak forward current	60 A						
I_{FSM}	10 ms. peak forward surge current	300 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 $I_F = 5 A$	1.1 V
I_R	Max. reverse current at V_{RRM}	20 μA
R_{thj-a}	Max. thermal resistance ($l = 10 mm.$)	30° C/W

Characteristic Curves

