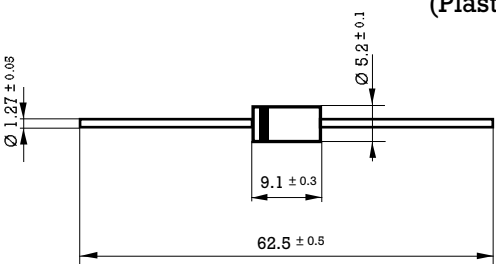



3 Amp. Glass Passivated Ultrafast Recovery Rectifier

<p>Dimensions in mm.</p>  <p>DO-201AD (Plastic)</p>	<p>Voltage 200 to 400 V</p> <p>Current 3 A at 40 °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"> • Glass Passivated 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

		31DF2	31DF4
V_{RRM}	Peak Recurrent reverse voltage	200 V	400 V
$I_{F(AV)}$	Forward current at $T_{amb} = 40\text{ °C}$	3 A	
I_{FRM}	Recurrent peak forward current	15 A	
I_{FSM}	8.3 ms. peak forward surge current (Jedec Method)	90 A	
t_{rr}	Reverse recovery time from $I_F = 0.5\text{ A}$; $I_R = 1\text{ A}$; $I_{RR} = 0.25\text{ A}$	30 ns	
T_j	Operating temperature range	- 65 to + 150 °C	
T_{stg}	Storage temperature range	- 65 to + 150 °C	

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

V_F	Max. forward voltage drop at $I_F = 3\text{ A}$	0.98 V	1.25 V
I_R	Max. reverse current at V_{RRM} at 25 °C	10 μA	
R_{thj-a}	Max. thermal resistance (l = 10 mm.)	30 °C/W	

Rating And Characteristic Curves

