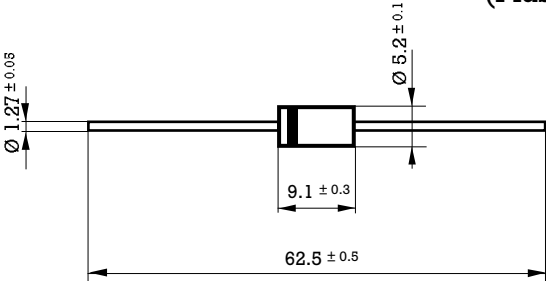



3 Amp. Glass Passivated Junction Rectifier

<p>Dimensions in mm.</p> <p>DO-201 AD (Plastic)</p> 	<p>Voltage 200 to 800 V.</p> <p>Current 3.0 A. at 70 °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

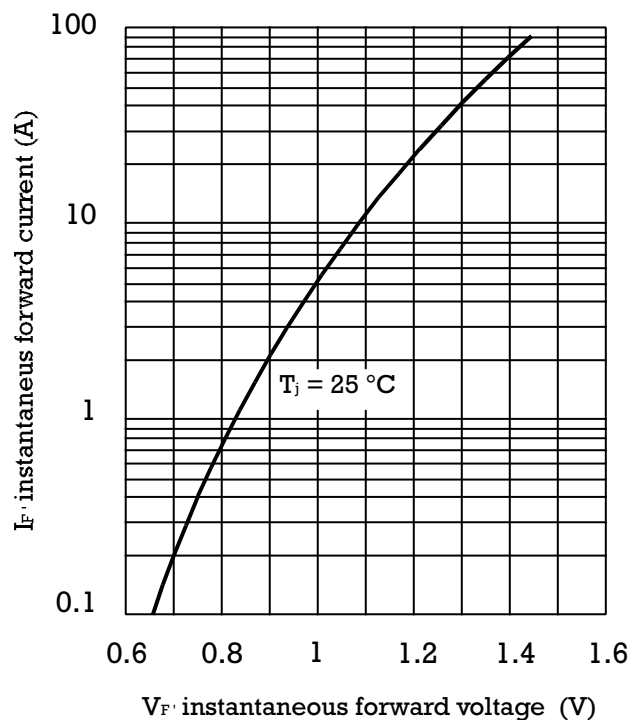
		1N5624GP	1N5625GP	1N5626GP	1N5627GP
V_{RRM}	Peak recurrent reverse voltage (V)	200	400	600	800
$I_{F(AV)}$	Forward current at $T_{amb} = 70\text{ °C}$	3 A			
I_{FRM}	Recurrent peak forward current	30 A			
I_{FSM}	8.3 ms. peak forward surge current (Jedec Method)	125 A			
T_j	Operating temperature range	– 65 to + 175 °C			
T_{stg}	Storage temperature range	– 65 to + 175 °C			
E_{RSM}	Maximum non repetitive peak reverse avalanche energy. $I_R = 1\text{ A}$; $T_j = 25\text{ °C}$	20 mJ			

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

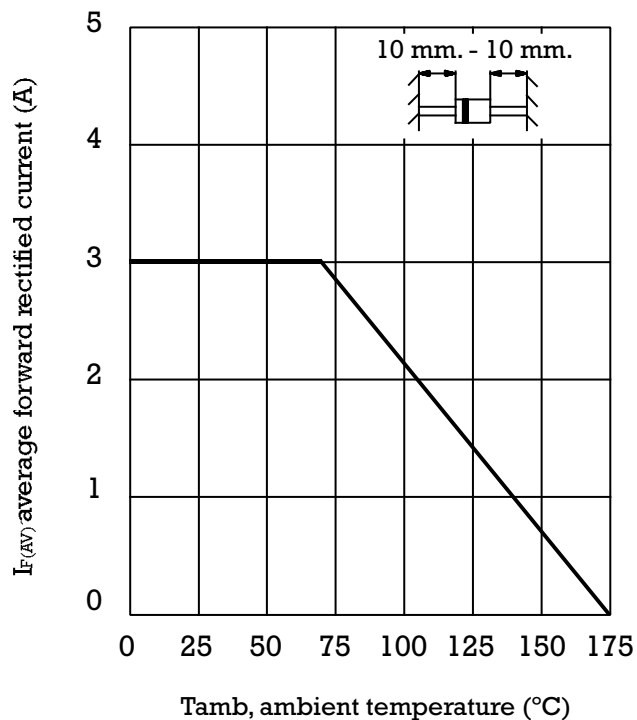
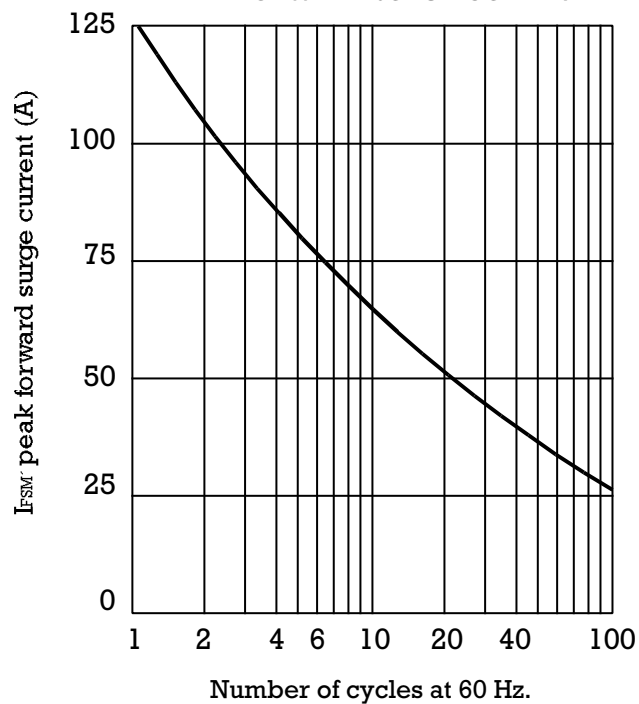
V_F	Max. forward voltage drop at $I_F = 3\text{ A}$	1 V
I_R	Max. reverse current at V_{RRM} at 25 °C at 150 °C	5 $\mu\text{ A}$ 300 $\mu\text{ A}$
R_{thj-a}	Thermal resistance ($I = 10\text{ mm.}$) Max. Typ.	30 °C/W 15 °C/W

Rating And Characteristic Curves

TYPICAL FORWARD CHARACTERISTIC



FORWARD CURRENT DERATING CURVE

MAXIMUM NON REPETITIVE
PEAK FORWARD SURGE CURRENT

TYPICAL JUNCTION CAPACITANCE

