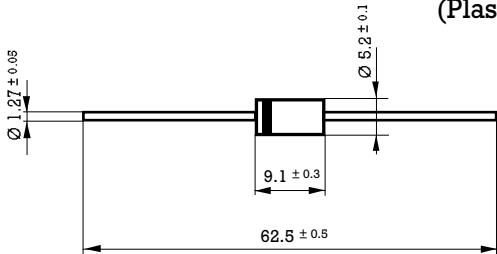


3 Amp. Glass Passivated Avalanche Ultrafast Recovery Rectifier

Dimensions in mm. DO-201 AD (Plastic)  Mounting instructions 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.	Voltage 200 V Current 3 A at 55 °C  • Glass Passivated 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

		EGP30DT
V_{RRM}	Peak Recurrent reverse voltage	200 V
V_{RMS}	Maximum RMS voltage	140 V
V_{DC}	Maximum DC blocking voltage	200 V
$I_{F(AV)}$	Forward current at $T_{amb} = 55\text{ °C}$	3 A
I_{FRM}	Recurrent peak forward current	30 A
I_{FSM}	8.3 ms. peak forward surge current (Jedec Method)	125 A
t_{rr}	Max. reverse recovery time from $I_F = 0.5\text{ A}$; $I_R = 1\text{ A}$; $I_{RR} = 0.25\text{ A}$	35 ns
C_j	Typical Junction Capacitance at 1 MHz and reverse voltage of $4V_{DC}$	100 pF
T_j	Operating temperature range	– 65 to + 150 °C
T_{stg}	Storage temperature range	– 65 to + 150 °C
E_{RSM}	Maximum non repetitive peak reverse avalanche energy. $I_R = 1.0\text{ A}$; $T_j = 25\text{ °C}$	20 mJ

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

V_F	Max. forward voltage drop at $I_F = 3\text{ A}$	0.9 V
I_R	Max. reverse current at V_{RRM} at 25 °C at 150 °C	5 $\mu\text{ A}$ 50 $\mu\text{ A}$
R_{thj-a}	Max. thermal resistance (l = 10 mm.)	30 °C/W

Rating And Characteristic Curves

