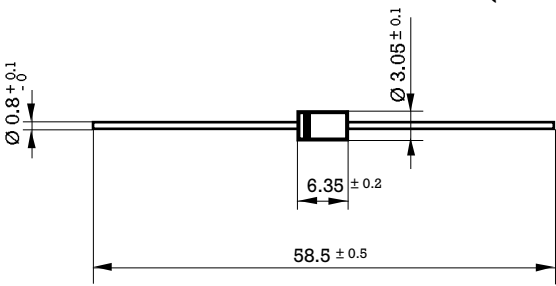


2 Amp. Glass Passivated Avalanche Ultrafast Recovery Rectifier

Dimensions in mm. DO-15 (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 2 mm. to the body.	Voltage 50 to 600 V. Current 2 A at 55 °C. HYPERECTIFIER® • 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

		EGP20A	EGP20B	EGP20D	EGP20F	EGP20G	EGP20J
V _{RRM}	Peak Recurrent reverse voltage (V)	50	100	200	300	400	600
V _{RMS}	Maximum RMS voltage	35	70	140	210	280	420
V _{DC}	Maximum DC blocking voltage	50	100	200	300	400	600
I _{F(AV)}	Forward current at Tamb = 55 °C	2 A					
I _{FRM}	Recurrent peak forward current	20 A					
I _{FSM}	8.3 ms. peak forward surge current (Jedec Method)	75 A					
t _{rr}	Max. reverse recovery time from I _F = 0.5 A ; I _R = 1 A ; I _{RR} = 0.25 A	50 ns					
C _j	Typical Junction Capacitance at 1 MHz and reverse voltage of 4V _{DC}	45 pF			30 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 = 1A ; T _j = 25 °C	20 mJ					

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

V_F	Max. forward voltage drop at $I_F = 2\text{ A}$	0.95 V	1.25 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 ($l = 10\text{ mm.}$)	30 °C/W	

Rating And Characteristic Curves

