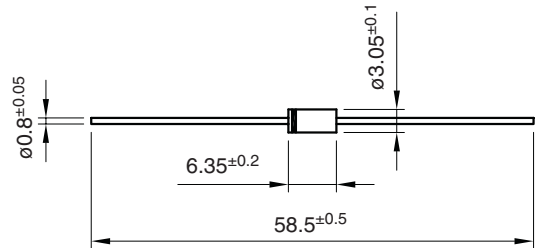



2 Amp. Glass Passivated Avalanche Ultrafast Recovery Rectifier

<p>Dimensions in mm.</p> <p style="text-align: right;">DO-15 (Plastic)</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 2 mm. to the body. 	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; width: 50%;">Voltage 50 to 600 V</td> <td style="text-align: center; width: 50%;">Current 2 A at 55 °C</td> </tr> </table> <div style="text-align: center; margin: 10px 0;">  </div> <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 	Voltage 50 to 600 V	Current 2 A at 55 °C
Voltage 50 to 600 V	Current 2 A at 55 °C		

Maximum Ratings, according to IEC publication No. 134

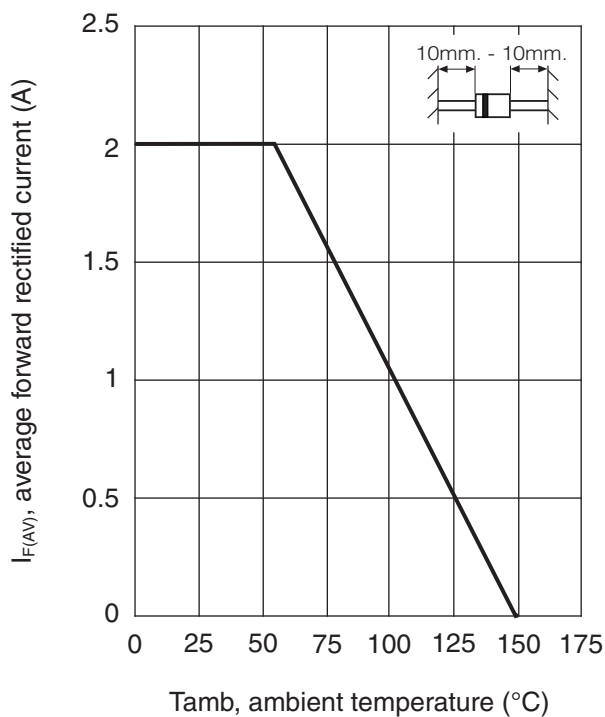
		EGP20A	EGP20B	EGP20D	EGP20F	EGP20G	EGP20J
V _{RRM}	Peak Recurrent Reverse Voltage (V)	50	100	200	300	400	600
V _{RMS}	Maximum RMS Voltage (V)	35	70	140	210	280	420
V _{DC}	Maximum DC Blocking Voltage (V)	50	100	200	300	400	600
I _{F(AV)}	Forward current at T _{amb} = 55 °C	2 A					
I _{FRM}	Recurrent 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 = 1 A ; T _j = 25 °C	20 mJ					

Electrical Characteristics at T_{amb} = 25 °C

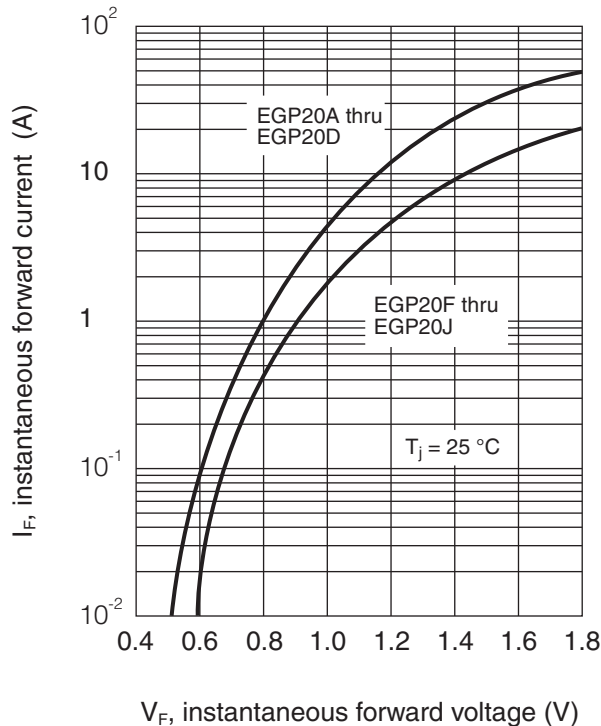
V _F	Maximum forward voltage drop at I _F = 2 A	0.95 V	1.25 V
I _R	Max. reverse current at V _{RRM}	5 µA	
	at 25 °C		
	at 150 °C	50 µA	
R _{th(j-a)}	Max. thermal resistance (l = 10mm)	30 °C/W	

Rating And Characteristic Curves

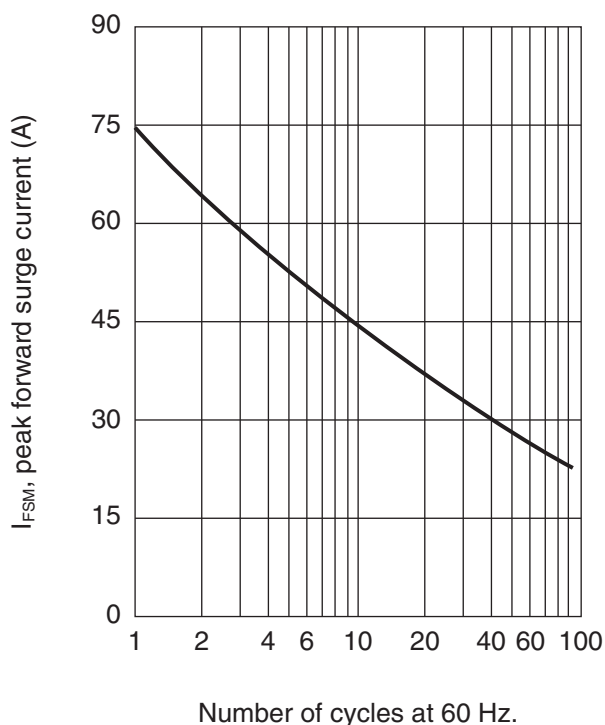
FORWARD CURRENT DERATING CURVE



TYPICAL FORWARD CHARACTERISTIC



MAXIMUM NON REPETITIVE PEAK FORWARD SURGE CURRENT



TYPICAL JUNCTION CAPACITANCE

