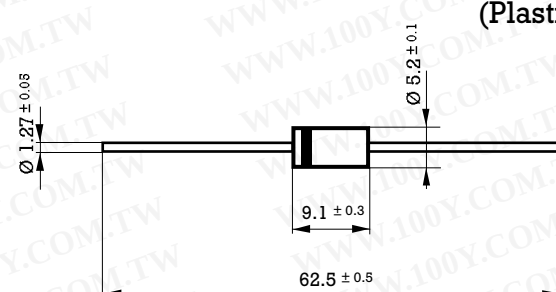


3 Amp. Glass Passivated Ultrafast Recovery Rectifier

Dimensions in mm. DO-201AD (Plastic) 	Voltage 50 to 1000 V. Current 3 A at 55 °C. 
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.	• 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

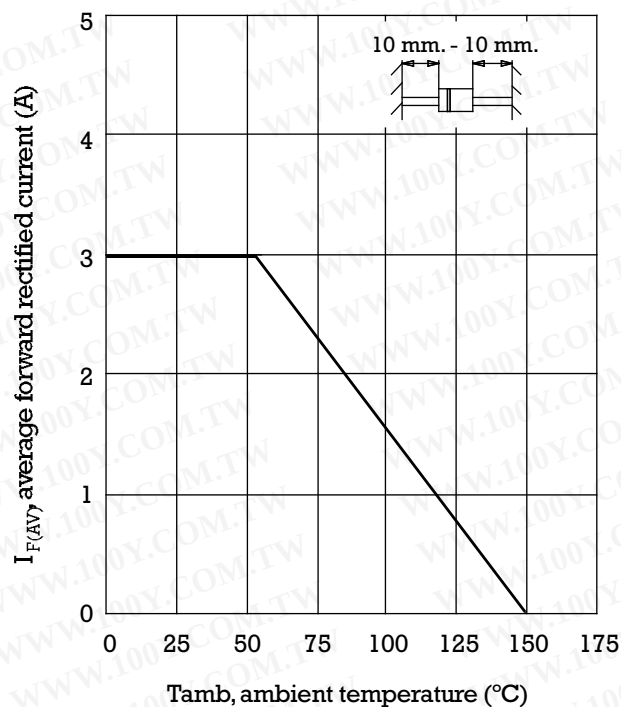
		FUF 5400	FUF 5401	FUF 5402	FUF 5404	FUF 5406	FUF 5407	FUF 5408
V _{RRM}	Peak Recurrent reverse voltage (V)	50	100	200	400	600	800	1000
V _{RMS}	Maximum RMS voltage	35	70	140	280	420	560	700
V _{DC}	Maximum DC blocking voltage	50	100	200	400	600	800	1000
I _{F(AV)}	Forward current at Tamb = 55 °C	3 A						
I _{FRM}	Recurrent peak forward surge current	30 A						
I _{FSM}	8.3 ms. peak forward surge current (Jedec Method)	150 A						
t _{rr}	Max. reverse recovery time from I _F = 0.5 A ; I _R = 1 A ; I _{RR} = 0.25 A	50 ns				75 ns		
C _j	Typical Junction Capacitance at 1 MHz and reverse voltaqe of 4V _{DC}	45 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 Tamb = 25 °C

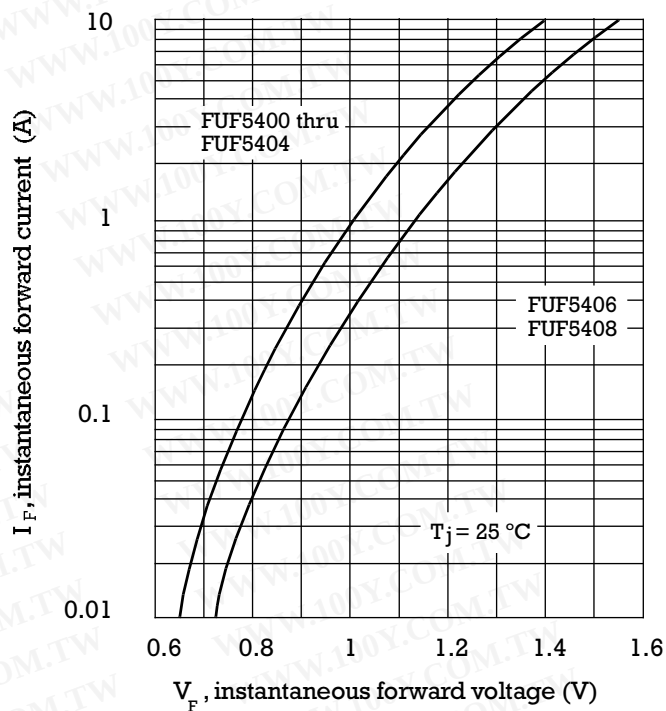
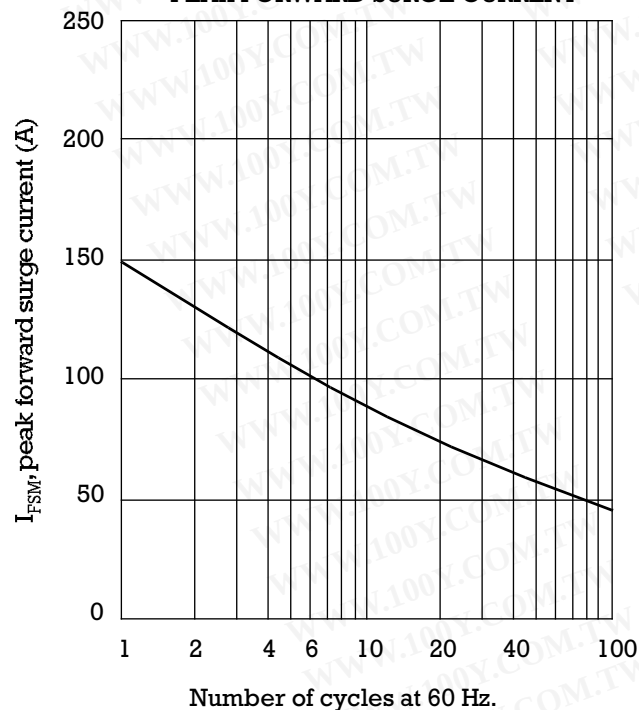
V_F	Max. forward voltage drop at $I_F = 3 A$	1.3 V	1.7 V
I_R	Max. reverse current at V_{RRM} at 25 °C	5 μA	
R_{thj-a}	Max. thermal resistance (l = 10 mm.)	30 °C/W	

Rating And Characteristic Curves

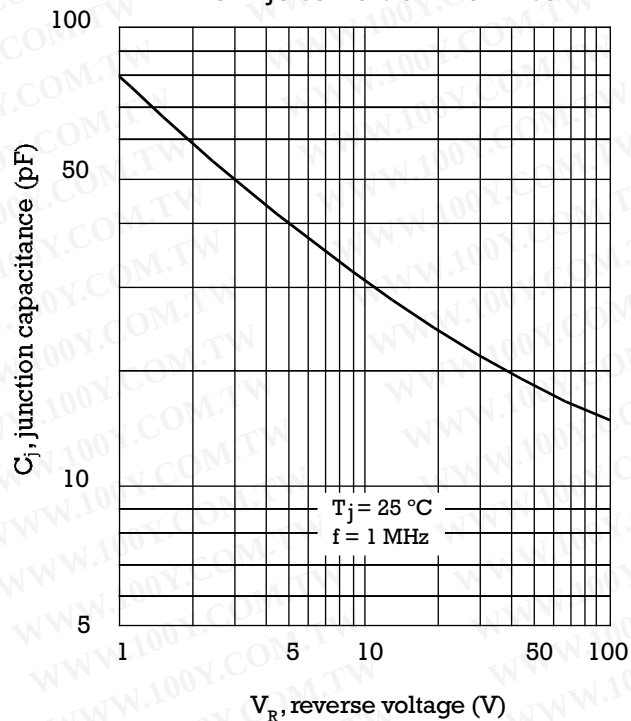
FORWARD CURRENT DERATING CURVE



TYPICAL FORWARD CHARACTERISTIC

MAXIMUM NON REPETITIVE
PEAK FORWARD SURGE CURRENT

TYPICAL JUNCTION CAPACITANCE



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