

2 Amp. Surface Mounted Glass Passivated Ultrafast Recovery Rectifier

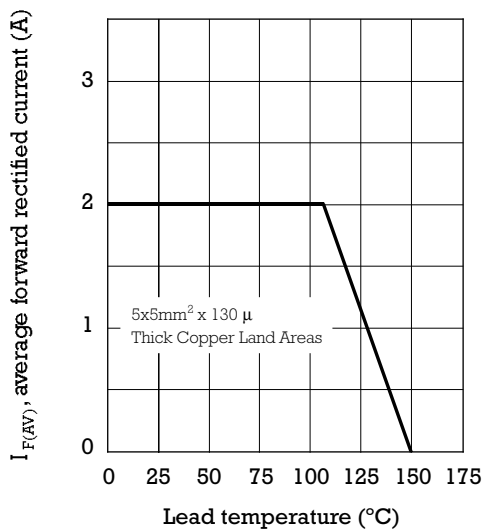
Dimensions in mm. CASE: SMB/DO-214AA	Voltage 50 to 600 V Current 2.0 A HYPERRECTIFIER® • Glass passivated junction • High current capability • The plastic material carries U/L 94 V-0 • Low profile package • Easy pick and place • High temperature soldering 260 °C 10 sec MECHANICAL DATA Terminals: Solder plated, solderable per IEC 68-2-20. Standard Packaging: 8 mm. tape (EIA-RS-481). Weight: 0.093 g.
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Maximum Ratings and Electrical Characteristics at 25 °C

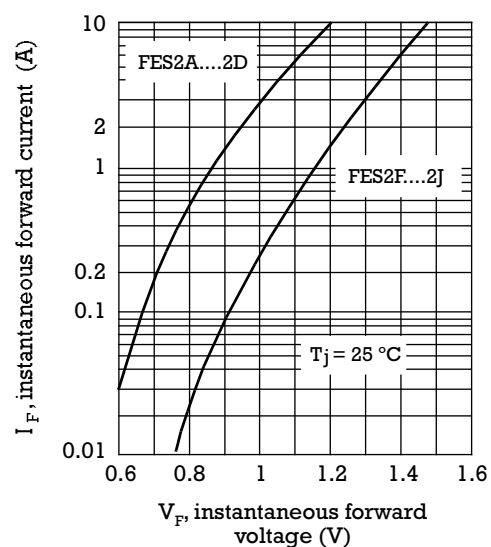
		FES2A	FES2B	FES2D	FES2F	FES2G	FES2J
Marking Code		V1	V2	V3	V4	V5	V6
V _{RRM}	Maximum Recurrent Peak Reverse Voltage	50	100	200	300	400	600
V _{RMS}	Maximum RMS Voltage	35	70	140	210	280	420
V _{DC}	Maximum DC Blocking Voltage	50	100	200	300	400	600
I _{F(AV)}	Forward current at T _L = 110 °C	2.0 A					
I _{FSM}	8.3 ms. peak forward surge current (Jedec Method)	50 A					
V _F	Maximum Instantaneous Forward Voltage at 2.0A	0.95 V			1.25 V		
I _R	Maximum DC Reverse Current Ta = 25 °C at Rated DC Blocking Voltage Ta = 100 °C	10 μA 350 μA					
T _{rr}	Maximum Reverse Recovery Time (0.5/1/0.25A)	50 ns					
C _j	Typical Junction Capacitance (1MHz; -4V)	35 pF					
R _{th (j-l)} R _{th (j-a)}	Typical Thermal Resistance (5x5 mm ² x 130 μ Copper Area)	20 °C/W 60 °C/W					
T _j - T _{stg}	Operating Junction and Storage Temperature Range	-55 to + 150 °C					

Rating And Characteristic Curves

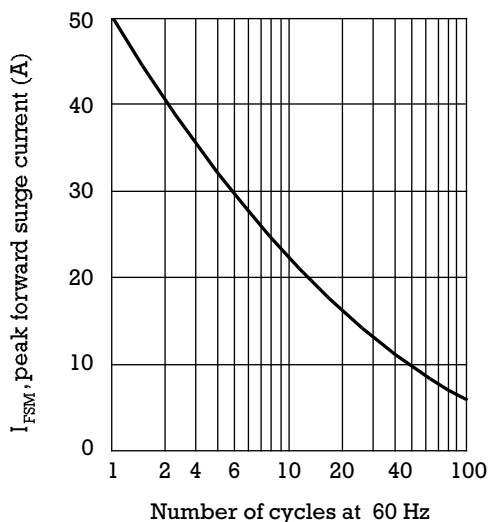
FORWARD CURRENT DERATING CURVE



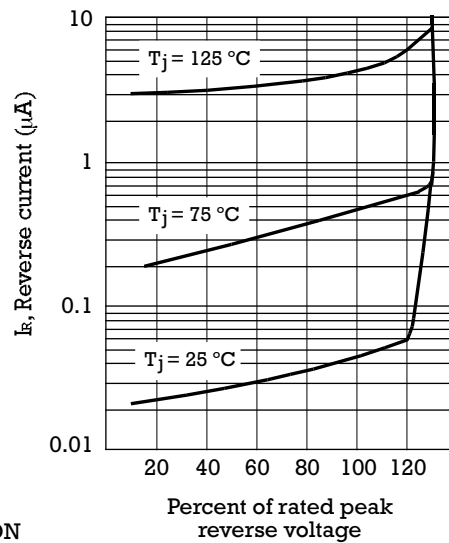
TYPICAL FORWARD CHARACTERISTIC



MAXIMUM NON REPETITIVE
PEAK FORWARD SURGE CURRENT



TYPICAL REVERSE CHARACTERISTIC



TYPICAL JUNCTION
CAPACITANCE

