



Maximum Ratings and Electrical Characteristics at 25 °C

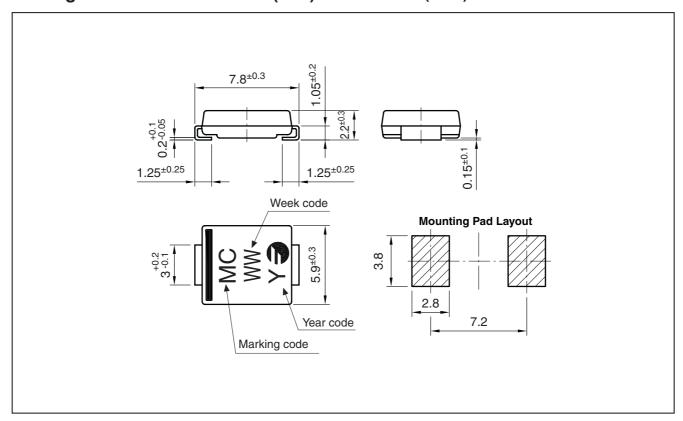
		FRS3A	FRS3B	FRS3D	FRS3G	FRS3J	FRS3K	FRS3M
Marking Code			J2	J3	J4	J5	J6	J7
V _{RRM}	Maximum Recurrent Peak Reverse Voltage (V)	50	100	200	400	600	800	1000
V _{RMS}	Maximum RMS Voltage (V)	35	70	140	280	420	560	700
V_{DC}	Maximum DC Blocking Voltage (V)	50	100	200	400	600	800	1000
I _{F(AV)}	Forward current at T _L = 75 °C	3.0 A						
I _{FSM}	8.3 ms. peak forward surge current (Jedec Method)	100 A						
V _F	Maximum Instantaneous Forward Voltage at 3.0 A	1.3 V						
I _R	Maximum DC Reverse Current Tj = 25 °C at Rated DC Blocking Voltage Tj = 125 °C	10 μA 250 μA						
T _{rr}	Maximum Reverse Recovery Time (0.5/1/0.25A)	150 ns 250 ns 300 ns			ns			
C _j	Typical Junction Capacitance (1MHz; -4V)	60 pF						
R _{thj-l} R _{th (j-a)}	Typical thermal resistance (5x5 mm ² x 130 µm Copper Area)	15 °C/W 50 °C/W						
T _j _ T _{stg}	Operating Junction and Storage Temperature Range	-55 to + 150 °C						



Ordering information

PREFERRED P/N	PACKAGE CODE	DELIVERY MODE	BASE QUANTITY	UNIT WEIGHT (g)
FRS3D TRTB	TRTB	13" diameter tape and reel	3,500	0.201

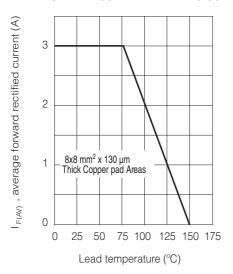
Package Outline Dimensions: (mm) DO-214AB (SMC)



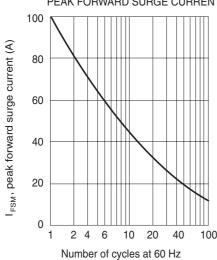


Ratings and Characteristics (Ta 25 °C unless otherwise noted)

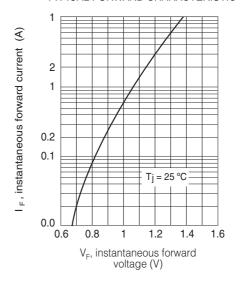




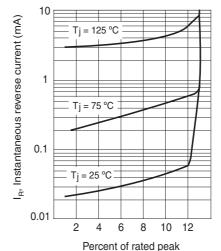
MAXIMUM NON REPETITIVE PEAK FORWARD SURGE CURRENT



TYPICAL FORWARD CHARACTERISTIC

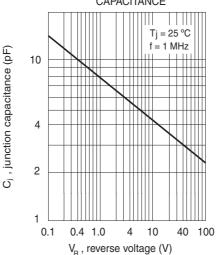


TYPICAL REVERSE CHARACTERISTIC



reverse voltage, %

TYPICAL JUNCTION CAPACITANCE





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