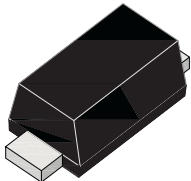



2.0 Amp. Surface Mount Schottky Barrier Rectifier

<p>DO-219AA (M1F)</p> 	<p>Voltage 20 V to 150 V</p>	<p>Current 2.0 A</p>	
	<p>FEATURES</p> <ul style="list-style-type: none"> • Low profile package • Ideal for automated placement • Low power losses, high efficiency • High surge current capability • Guarding for overvoltage protection • Low forward voltage drop • Solder dip 260°C, 10s • AEC-Q101 qualified • Component in accordance to RoHS 2011/65/EU and WEEE 2002/96/EC • Meets MSL level 1, per J-STD-020, LF maximum peak of 260°C 		
	<p>MECHANICAL DATA</p> <ul style="list-style-type: none"> • Case: DO-219AA (M1F). Epoxy meets UL 94V-0 flammability rating. • Polarity: Color band denotes cathode end. • Terminals: Matte tin plated leads, solderable per MIL-STD-750 Method 2026, J-STD-002 and JESD22-B102. Consumer grade, meets JESD 201 class 1A whisker test 		
	<p>TYPICAL APPLICATIONS</p> <p>Used in low voltage high frequency inverters, freewheeling, dc-to-dc converters, and polarity protection applications.</p>		

Maximum Ratings and Electrical Characteristics at 25 °C

		FSS22L	FSS23L	FSS24L	FSS26L	FSS210L	FSS215L
Marking code		B1L	B2L	B3L	B5L	BBL	BCL
V_{RRM}	Maximum Recurrent Peak Reverse Voltage (V)	20	30	40	60	100	150
V_{RMS}	Maximum RMS Voltage (V)	14	21	28	42	70	105
V_{DC}	Maximum DC Blocking Voltage (V)	20	30	40	60	100	150
$I_{(AV)}$	Maximum Average Forward Rectified Current at T_c (See Graphic)	2.0 A					
I_{FSM}	Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC Method)	50 A					
V_F	Maximum Instantaneous Forward Rectified @ 2.0A (Note 1)	0.5 V		0.70 V	0.85 V	0.95 V	
I_R	Maximum DC Reverse Current @ $T_c = 25^\circ\text{C}$ at Rated DC Blocking Voltage @ $T_c = 125^\circ\text{C}$ (Note 3)	0.4 mA				0.1 mA	
		15 mA		10 mA	5 mA		
C_j	Typical Junction Capacitance at 1 MHz and Reverse Voltage of $4V_{DC}$	130 pF					
R_{thj-l} R_{thj-a}	Maximum Thermal Resistance (Note 2)	17 °C/W 75 °C/W					
T_j	Operating Temperature Range	-65 to + 125 °C			-65 to + 150 °C		
T_{stg}	Storage Temperature Range	-65 to + 150 °C					

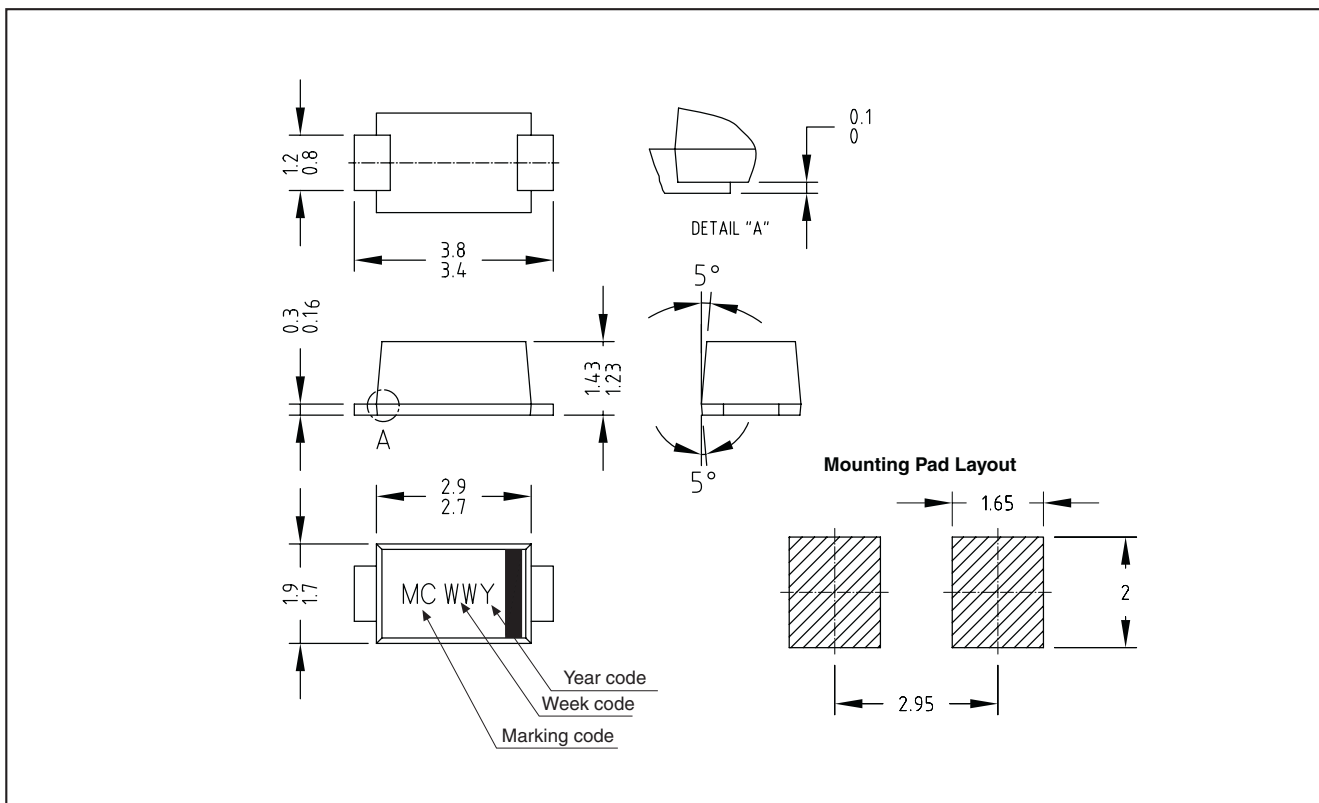
Notes: 1. Pulse Test: 300µ Pulse Width, 1% Duty Cycle
 2. Thermal Resistance from Junction to Case per diode
 3. Pulse test: Pulse width ≤ 40ms

2.0 Amp. Surface Mount Schottky Barrier Rectifier

Ordering information

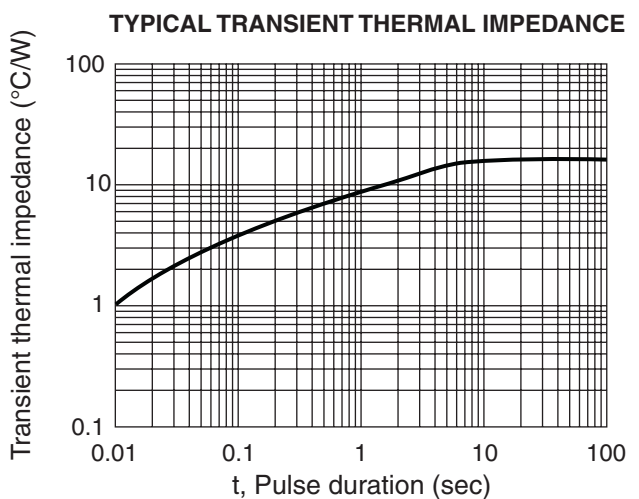
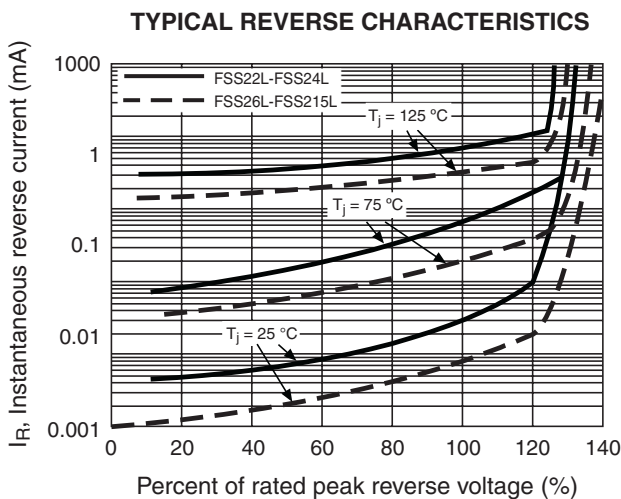
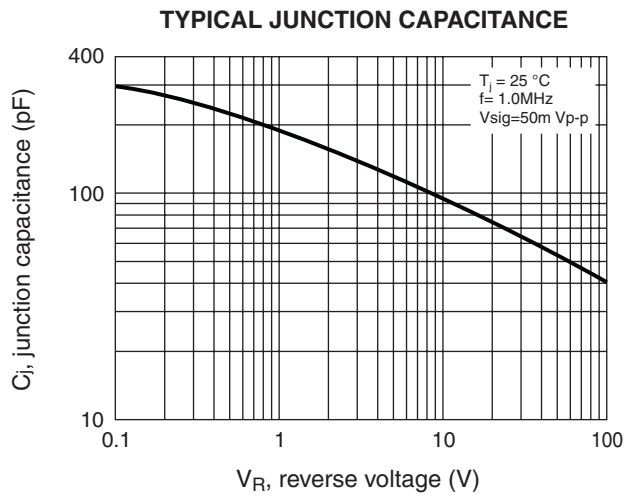
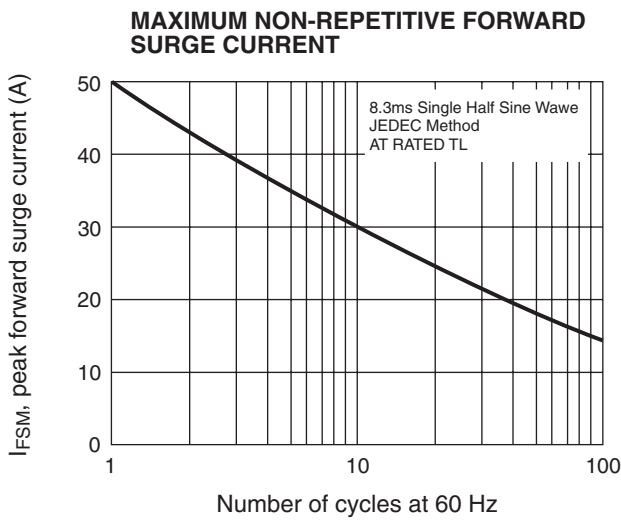
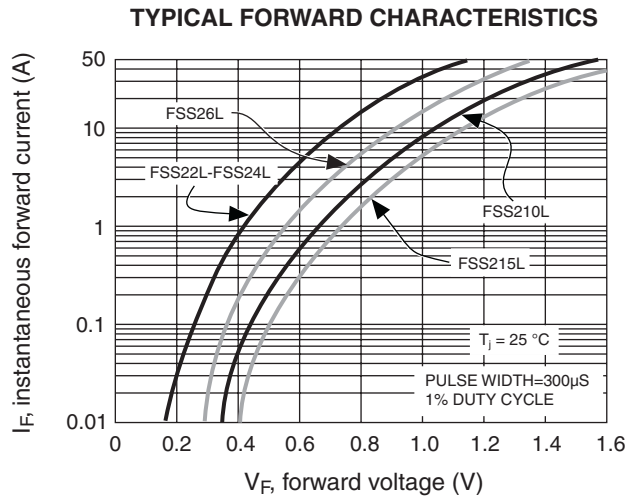
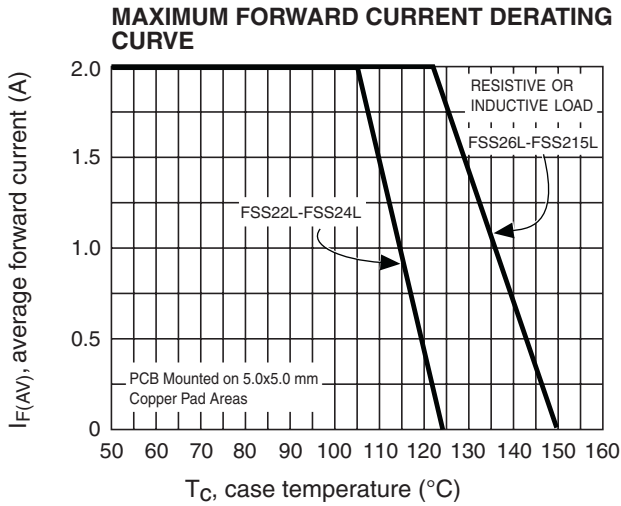
PREFERRED P/N	PACKAGE CODE	DELIVERY MODE	BASE QUANTITY	UNIT WEIGHT (g)
FSS26L TRTB	TRTB	13" diameter tape and reel	7,500	0.0196
FSS26L TRTS	TRTS	8" diameter tape and reel	1,800	0.0196

Package Outline Dimensions: (mm) DO-219AA (M1F)



2.0 Amp. Surface Mount Schottky Barrier Rectifier

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



2.0 Amp. Surface Mount Schottky Barrier Rectifier

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