

Features

- Average Forward Current: I_{F(AV)}=3A
- Polarity: Color band denotes cathode .

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)			
SS32F~SS320F	SMAF	SS3x	3000			

x: From2F-20F





Maxmim Ratings (Ta=25 unless otherwise noted)

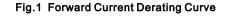
Parameter	Symbols	SS32F	SS34F	SS36F	SS38F	SS310F	SS312F	SS315F	SS320F	Units
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	20	40	60	80	100	120	150	200	V
Maximum RMS voltage	V _{RMS}	14	28	42	56	70	84	105	140	V
Maximum DC Blocking Voltage	V _{DC}	20	40	60	80	100	120	150	200	V
Maximum Average Forward Rectified Current	I _{F(AV)}	3.0							А	
Peak Forward Surge Current,8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	80				70				A
Max Instantaneous Forward Voltage at 3 A	V _F	0.55		0.	0.70		0.85		0.95	
Maximum DC Reverse Current at $T_a = 25^{\circ}C$ Rated DC Reverse Voltage $T_a = 100^{\circ}C$	۱ _R	0.5 10		0.3 5						mA
Typical Junction Capacitance 1 ⁵	Cj	250		160						рF
Typical Thermal Resistance2)	R _{eja}	40							°C/W	
Operating Junction Temperature Range	Tj	-55 ~ +125							°C	
Storage Temperature Range	T _{stg}	-55 ~ +150							°C	

Measured at 1MHz and applied reverse voltage of 4 V D.C.
 P.C.B. mounted with 0.2 X 0.2" (5 X 5 mm) copper pad areas.



SS32F-SS320F SCHOTTKY RECTIFIER DIODES

Typical Characteristics



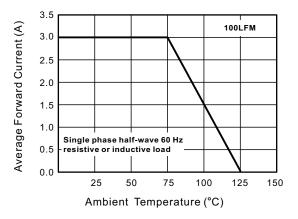
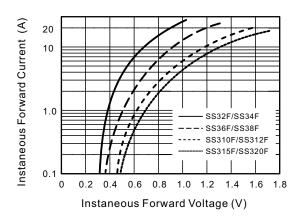


Fig.3 Typical Forward Characteristic



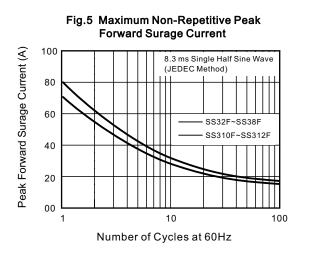


Fig.2 Typical Reverse Characteristics

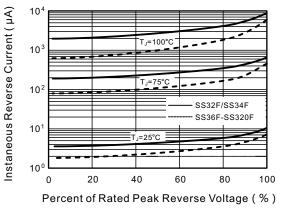
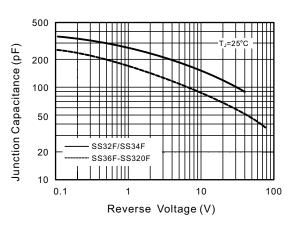
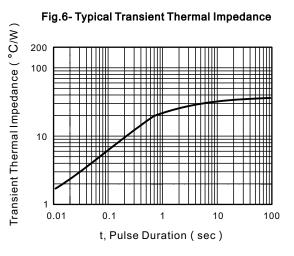


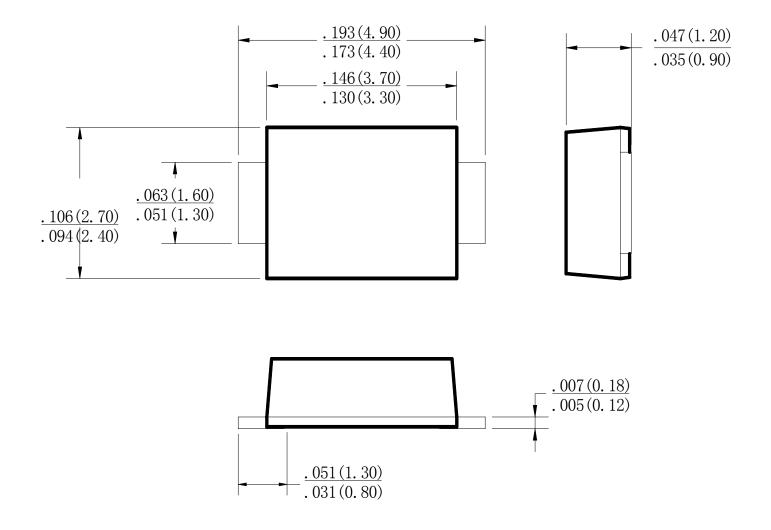
Fig.4 Typical Junction Capacitance







SMAF Package Outline Dimensions



Dimensions in inches and (millimeters)



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