



Product data sheet

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Semiconductor Compiance

VOLTAGE RANGE 20 to 100 Volts CURRENT 3.0 Ampere

1 SMAF

FEATURES

- * Ideal for surface mount applications
- * Easy pick and place
- * Built-in strain relief
- * Low forward voltage drop

MECHANICAL DATA

- * Case: Molded plastic
- * Epoxy: UL 94V-0 rate flame retardant
- * Metallurgically bonded construction
- * Polarity: Color band denotes cathode end
- * Mounting position: Any

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature uniess otherwies specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

P/N(MARK)		SS32F	SS33F	SS34F	SS35F	SS36F	SS38F	SS39F	SS310F	UNITS
Maximum Recurrent Peak Reverse Voltage		20	30	40	50	60	80	90	100	V
Maximum RMS Voltage		14	21	28	35	42	56	63	70	V
Maximum DC Blocking Voltage		20	30	40	50	60	80	90	100	V
Maximum Average Forward Rectified Current									•	
At T∟=100°C		3.0							A	
Peak Forward Surge Current, 8.3 ms single half sine-wave										
superimposed on rated load (JEDEC method)		80							A	
Maximum Instantaneous Forward Voltage at 3.0A			0.55 (0.	0.70		0.85		V
Maximum DC Reverse Current	Ta=25°C	0.1 0.02			mA					
at Rated DC Blocking Voltage	Ta=100°C	5 2			mA					
Typical Junction Capacitance (Note1)		300							pF	
Typical Thermal Resistance R JL (Note 2)		10							°C/W	
Operating Temperature Range TJ		-65 -+ + 150							°C	
Storage Temperature Range Tstg		-65-+150							°C	

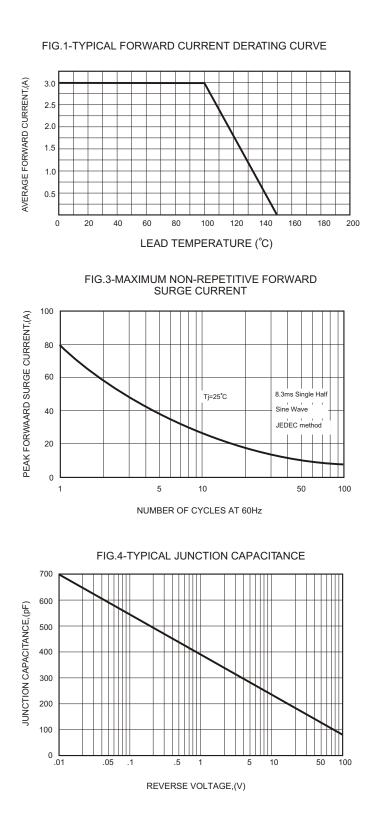
NOTES:

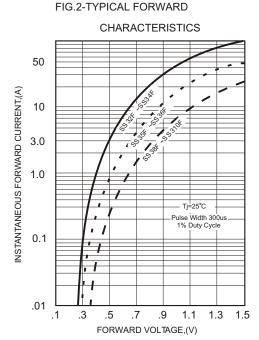
1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

2. Thermal Resistance Junction to Lead.

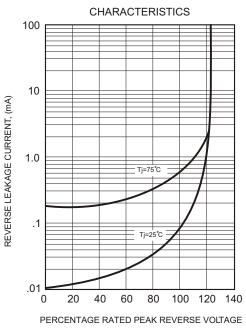


RATING AND CHARACTERISTIC CURVES (SS32F THRU SS310F)







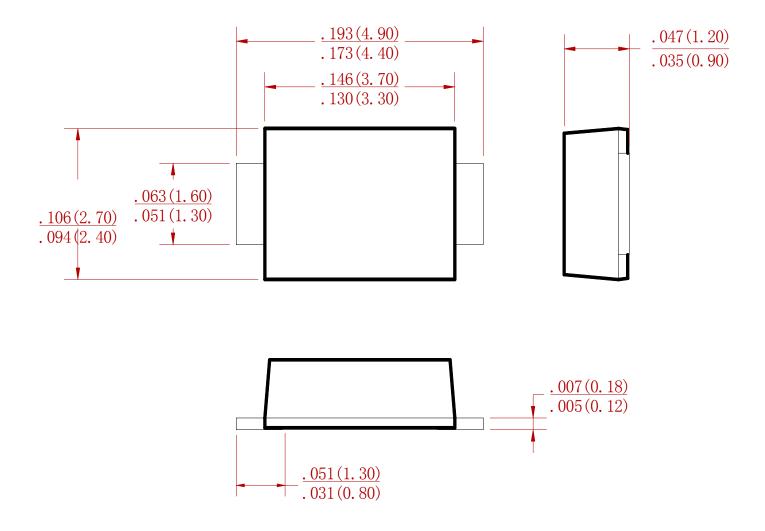




SS32F THRU SS310F HE

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PACKAGE MECHANICAL DATA



Dimensions in inches and (millimeters)

REEL SPECIFICATION

P/N	PKG	QTY
SS32F THRU SS310F	SMAF	3000



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