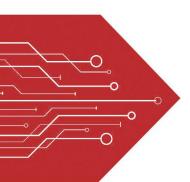
MSKSEMI















ESD

TVS

TSS

MOV

GDT

PLED

Broduct data sheet



VOLTAGE RANGE 20 to 100 Volts CURRENT 3.0 Ampere



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 unless 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 TL=100°C		3.0							Α	
Peak Forward Surge Current, 8.3 ms single half sine-wave										
superimposed on rated load (JEDEC method)		80							Α	
Maximum Instantaneous Forward Voltage at 3.0A		0.55 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 T _J		-65 —+150							°C	
Storage Temperature Range Тэтс		-65 							°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)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

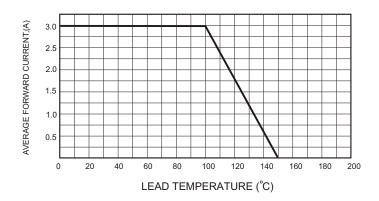


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

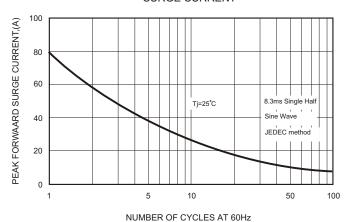


FIG.4-TYPICAL JUNCTION CAPACITANCE

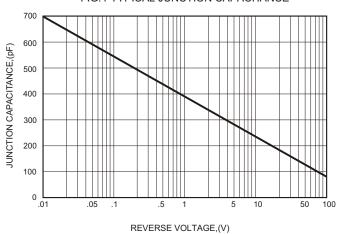


FIG.2-TYPICAL FORWARD

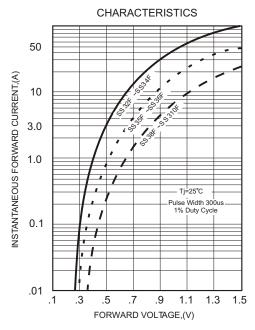
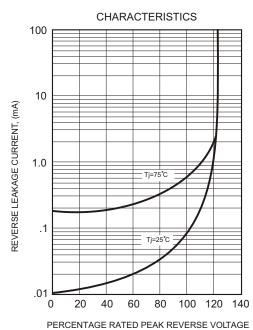
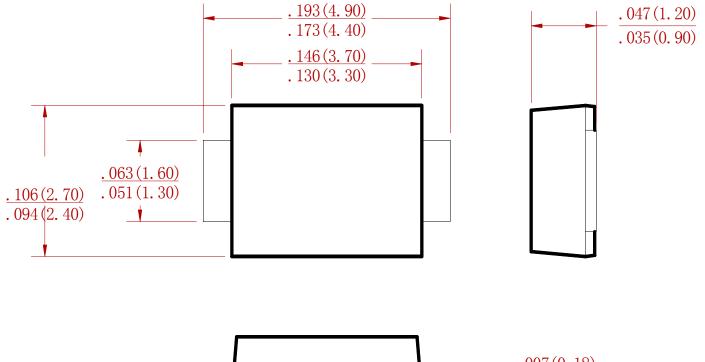


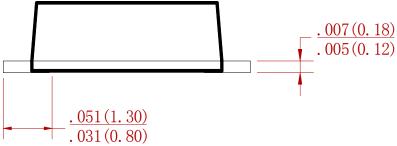
FIG.5 - TYPICAL REVERSE





PACKAGE MECHANICAL DATA





Dimensions in inches and (millimeters)

REEL SPECIFICATION

P/N	PKG	QTY
SS32F THRU SS310F	SMAF	3000



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