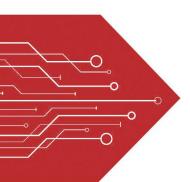
MSKSEMI















ESD

TVS

TSS

MOV

GDT

PLED

Broduct data sheet









VOLTAGE RANGE 20 to 100 Volts CURRENT 3.0 Ampere





SMC

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
- * Weight: 0.21 grams

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)	SS32C	SS33C	SS34C	SS35C	SS36C	SS38C	SS39C	SS310C	UNITS
Maximum Recurrent Peak Reverse Voltage		30	40	50	60	80	90	100	V
Maximum RMS Voltage		21	28	35	42	56	63	70	V
Maximum DC Blocking Voltage		30	40	50	60	80	90	100	V
Maximum Average Forward Rectified Current									
At T∟=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 Tsтс	-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 (SS32C THRU SS310C)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

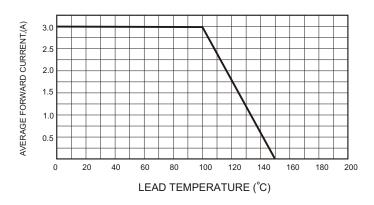


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

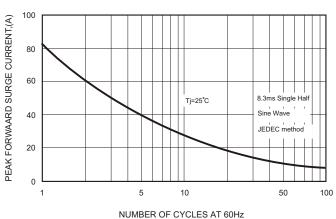


FIG.4-TYPICAL JUNCTION CAPACITANCE

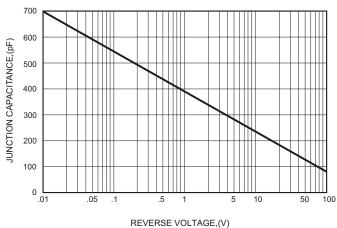


FIG.2-TYPICAL FORWARD

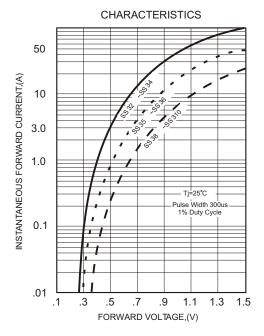
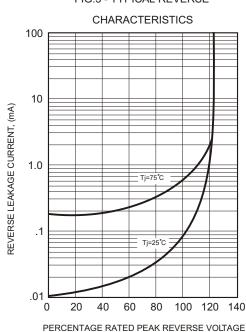


FIG.5 - TYPICAL REVERSE

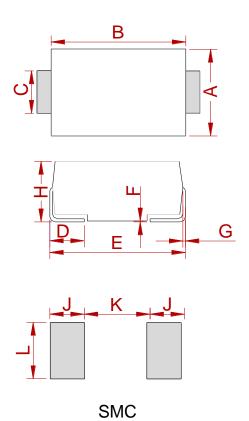








PACKAGE MECHANICAL DATA



	Dimensions					
Ref.	Millimeters		Inches			
	Min.	Max.	Min.	Max.		
Α	5.75	6.25	0.226	0.246		
В	6.90	7.40	0.272	0.291		
С	2.75	3.25	0.108	0.128		
D	0.95	1.52	0.037	0.060		
E	7.70	8.20	0.303	0.323		
F	0.051	0.203	0.002	0.008		
G	0.15	0.31	0.006	0.012		
Н	2.15	2.62	0.085	0.103		
J	2.40		0.094			
K		4.20		0.165		
L	3.30		0.130			

REEL SPECIFICATION

P/N	PKG	QTY
SS32C THRU SS310C	SMC	3000



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