

FEATURES

- * Ideal for surface mounted applications
- * Low leakage current
- * Metallurgically bonded construction
- * High reliability
- * RoHS product for packing code suffix "G"
- Halogen free product for packing code suffix "H"
- * Moisture Sensitivity Level 1

MECHANICAL DATA

Case: Molded plastic, DO-214AC/SMA

Epoxy: UL 94V-O rate flame retardant

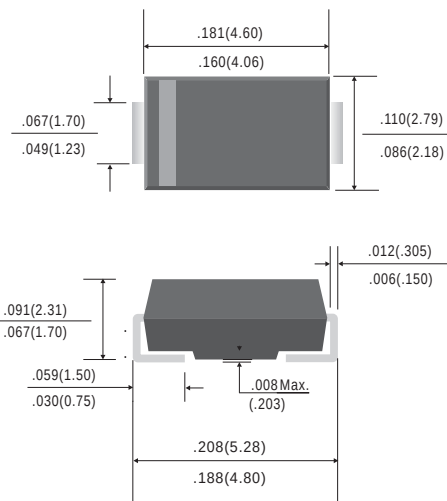
Terminals: Solder plated, solderable per

MIL-STD-750, Method 2026.

Mounting position: Any



SMA(DO-214AC)



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

Single phase half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

RATINGS	SYMBOL	SS22A	SS23A	SS24A	SS25A	SS26A	SK28A	SS210A	SS215A	SS220A	UNIT
Marking Code		SS22A	SS23A	SS24A	SS25A	SS26A	SK28A	SS210A	SS215A	SS220A	
Maximum Recurrent Peak Reverse Voltage	VRRM	20	30	40	50	60	80	100	150	200	Volts
Maximum RMS Voltage	VRMS	14	21	28	35	42	56	70	105	140	Volts
Maximum DC Blocking Voltage	VDC	20	30	40	50	60	80	100	150	200	Volts
Maximum Average Forward Rectified Current	Io	2.0									Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	50									Amps
Typical Thermal Resistance (Note 2)	RθJA/RθJC	80/50									°C/W
Typical Junction Capacitance (Note 1)	CJ	70			60		50		170		PF
Operating Temperature Range	TJ	-55 to +125					-55 to +150				°C
Storage Temperature Range	TSTG	-55 to +150									°C

CHARACTERISTICS		SYMBOL	SS22A	SS23A	SS24A	SS25A	SS26A	SS28A	SS210A	SS215A	SS220A	UNIT
Maximum Forward Voltage at 2.0A DC		V _F	0.50			0.70		0.85		0.90		Volts
Maximum Average Reverse Current at Rated DC Blocking Voltage	@TC=25°C	I _R	0.5					0.2				mAmps
	@TC=100°C		15					70				

NOTES:

1- Measured at 1 MHz and applied reverse voltage of 4.0 VDC.

2- Thermal Resistance From Junction to Ambient

RATING AND CHARACTERISTIC CURVES

FIG. 1-TYPICAL FORWARD CURRENT DERATING CURVE

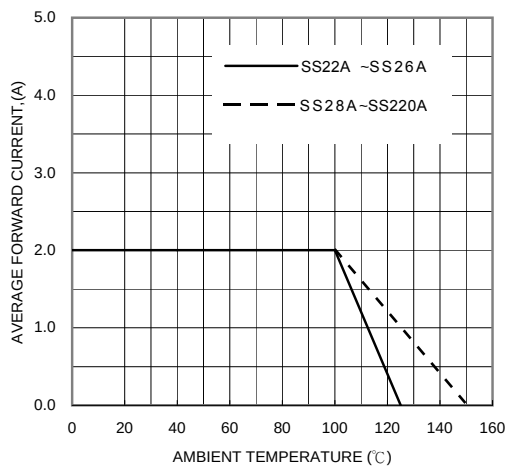


FIG. 2-TYPICAL FORWARD CHARACTERISTICS

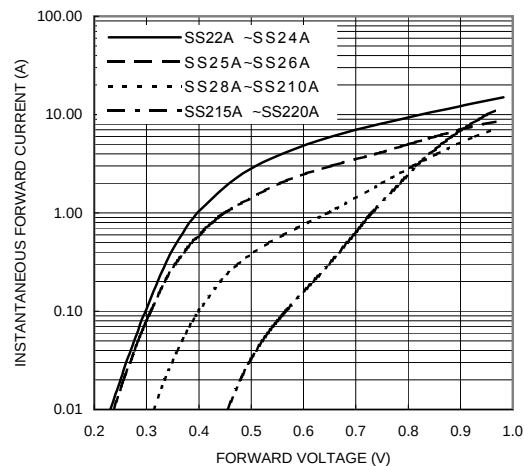


FIG. 3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

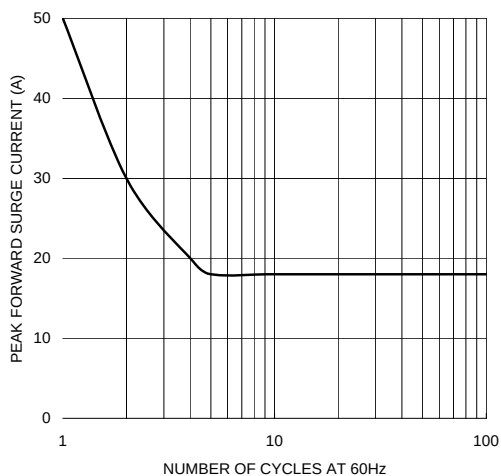


FIG. 4-TYPICAL REVERSE CHARACTERISTICS

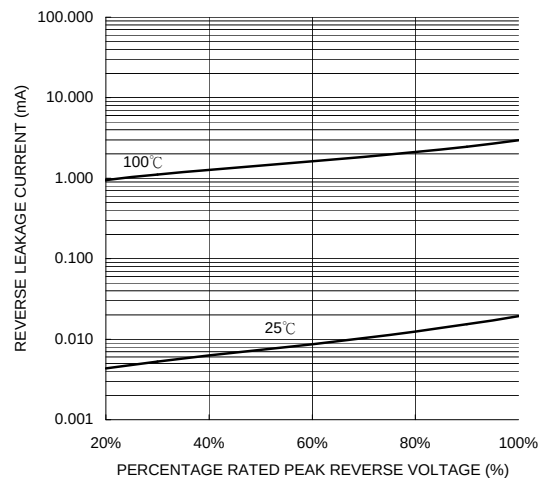
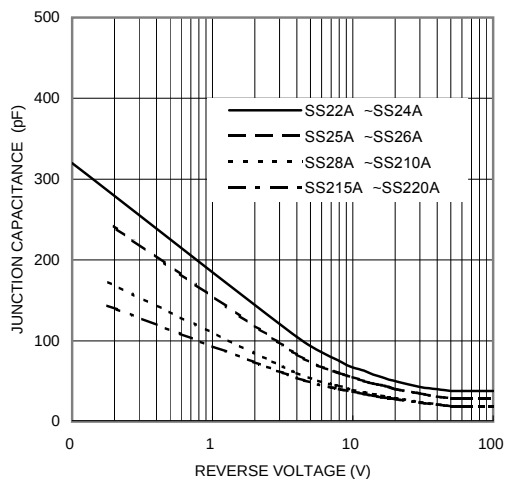


FIG. 5-TYPICAL JUNCTION CAPACITANCE



Ordering Information:

Device PN	Packing
Part Number -T ⁽¹⁾ G ⁽²⁾ -WS ⁽³⁾	Tape & Reel Packing :5000pcs/Reel

Note: (1) Packing code, T: Tape & 13" Reel Packing;

(2) RoHS product for packing code suffix "G", Halogen free product for packing code suffix "H" .

(3) WS : Willas brand abbreviation, Label Type does not display

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