



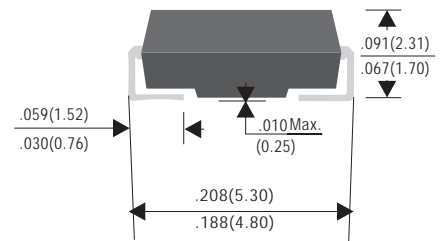
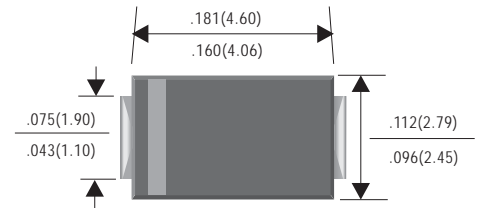
2.0AMP SCHOTTKY BARRIER RECTIFIERS

SMA-P (DO-214AC) PACKAGE

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"

SMA-P(DO-214AC)



Dimensions in inches and (millimeters)

MECHANICAL DATA

- * Case: Molded plastic
- * Epoxy: UL 94V-O rate flame retardant
- * Mounting position: Any
- * Weight: 0.066 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.
 Single phase half wave, 60Hz, resistive of inductive load.
 For capacitive load, derate current by 20%

RATINGS	SYMBO	SS22AW	SS23AW	SS24AW	SS25AW	SS26AW	SS28AW	SS210AW	SS215AW	SS220AW	UNIT
Marking Code		SS22A	SS23A	SS24A	SS25A	SS26A	SS28A	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	50.0									Amps
Typical Thermal Resistance	R _{θJA}	80									°C/W
	R _{θJC}	50									°C/W
Typical Junction Capacitance	C _J	70			60			50	35		PF
Operating Temperature Range	T _J	-55 to +125									°C
Storage Temperature Range	T _{STG}	-55 to +150									°C

CHARACTERISTICS	SYMBO	SS22AW	SS23AW	SS24AW	SS25AW	SS26AW	SS28AW	SS210AW	SS215AW	SS220AW	UNIT	
Maximum Forward Voltage at 2.0A DC	@TA=25°C	VF			0.55			0.70	0.85	0.87	0.90	Volts
Maximum Average Reverse Current at	@TA=25°C	IR			0.5			0.2			mAmps	
Rated DC Blocking Voltage	@TA=100°C	15.0			70.0							

**2.0AMP SCHOTTKY BARRIER RECTIFIERS
SMA-P (DO-214AC) PACKAGE**

FIG. 1-TYPICAL FORWARD CURRENT DERATING CURVE

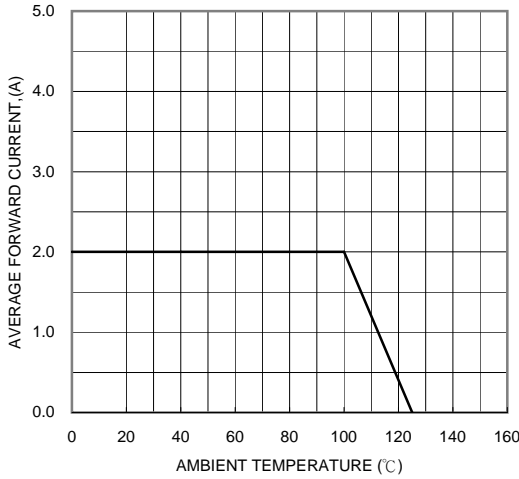


FIG. 2-TYPICAL FORWARD CHARACTERISTICS

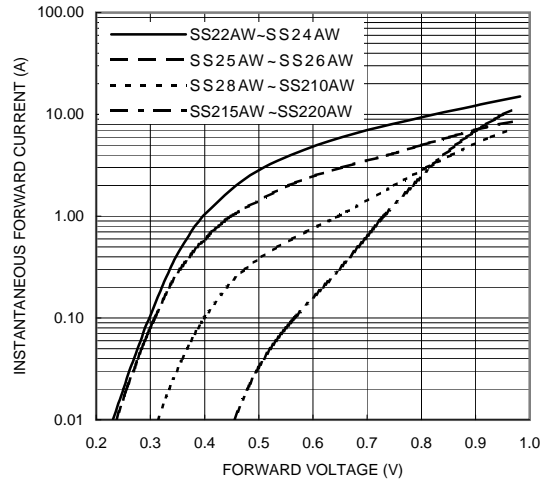


FIG. 3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

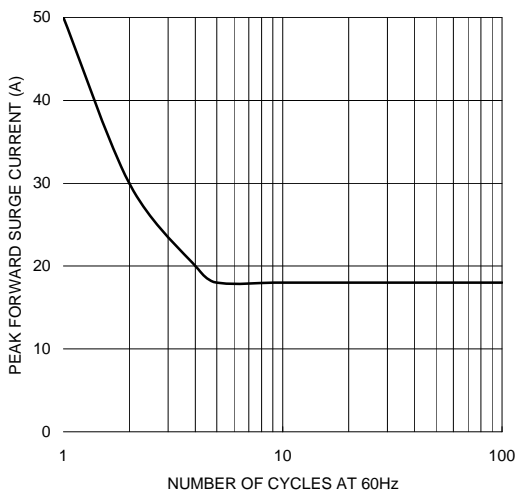


FIG. 4-TYPICAL REVERSE CHARACTERISTICS

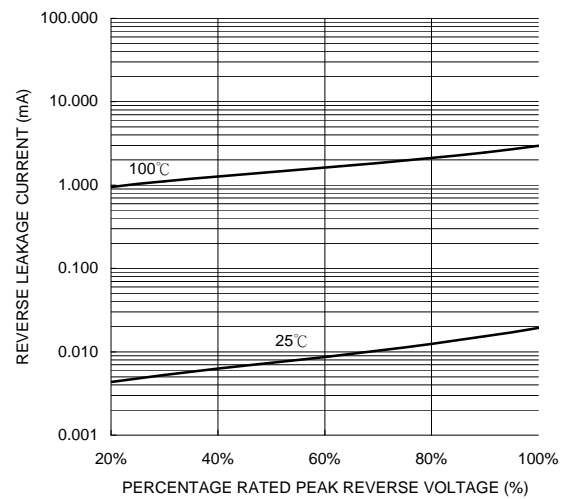
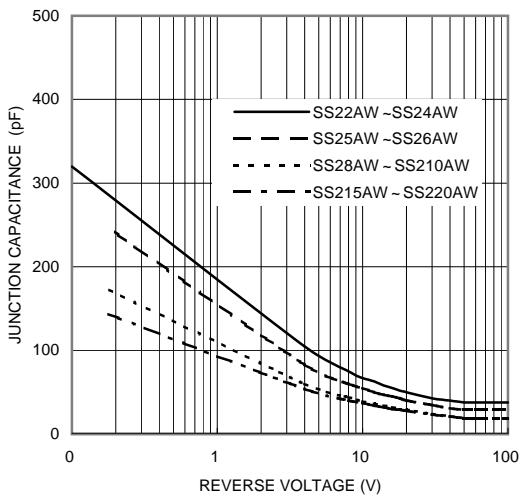


FIG. 5-TYPICAL JUNCTION CAPACITANCE



2.0AMP SCHOTTKY BARRIER RECTIFIERS**SMA-P (DO-214AC) PACKAGE****Ordering Information:**

Device PN	Packing
Part Number -T ⁽¹⁾ G ⁽²⁾ -WS	Tape&Reel: 5 Kpcs/Reel

Note: (1) Packing code, Tape & Reel Packing

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

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