

S2A~S2M

VOLTAGE 50 to 1000 Volts CURRENT 2.0 Amperes	SMB / DO-214AA	Unit: inch (
FEATURES		
 Plastic package has Underwriters Laboratory Flammability Classification 94V-O For surface mounted applications Low profile package Built-in strain relief Easy pick and place Glass passivated iunction Lead free in comply with EU RoHS 2002/95/EC directives 	(1172) <u>520</u> .185 (4.70 .160 (4.06	·
MECHANICAL DATA • Case: JEDEC DO-214AA molded plastic • Terminals:Solder plated, solderable per MIL-STD-750,Method 2026 • Polarity: Indicated by cathode band • Standard packaging: 12mm tape (EIA-481) • Weight: 0.003 ounce, 0.092 gram	050 (1.27) .030 (0.76)	·

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%.

PARAMETER	SYMBOL	S2A	S2B	S2D	S2G	S2J	S2K	S2M	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{rrm}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{rms}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Current at $T_L = 110^{\circ}C$	I _{F(AV)}	2.0						A	
Peak Forward Surge Current :8.3ms single half sine-wave superimposed on rated load(JEDEC method)	I _{FSM}	60						A	
Maximum Forward Voltage at 2.0A	V _F	1.1						V	
Maximum DC Reverse Current at T_=25°C Rated DC Blocking Voltage T_=125°C	I _R	1.0 125							μA
Maximum Junction capacitance (Note 1)	C	30							рF
Typical Junction Resistance(Note 2)	R _{ejl}	16							°C / W
Operating Junction and Storage Temperature Range	T _J ,T _{stg}	-55 to +150						°C	

NOTES:

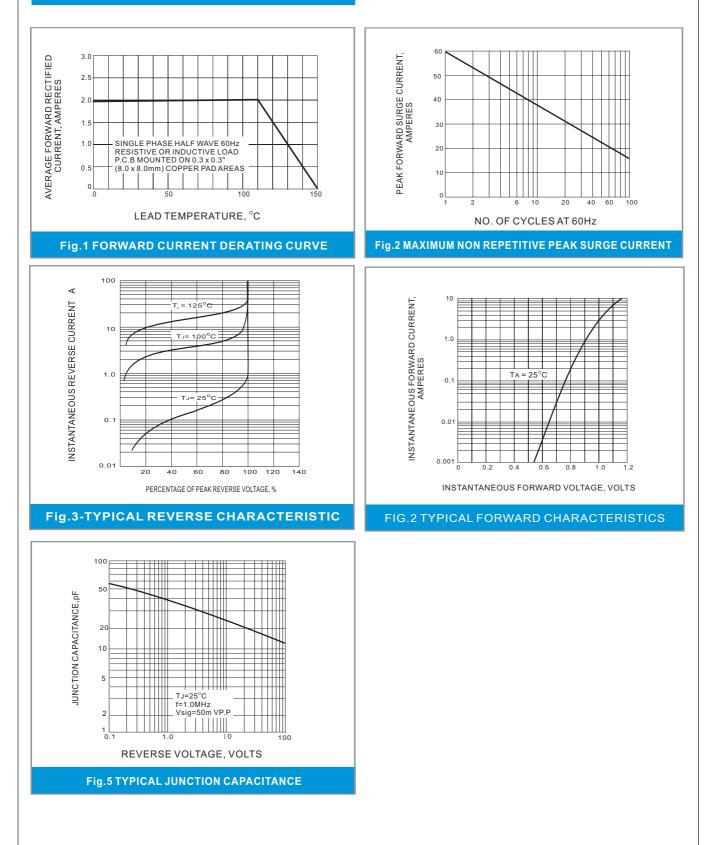
1.Measured at 1.0 MHZ and applied Vr=4.0 volts.

2.8.0mm²(.013mm thick)land areas.



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RATING AND CHARACTERISTIC CURVES

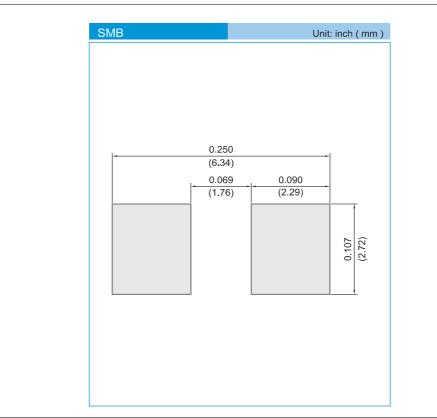




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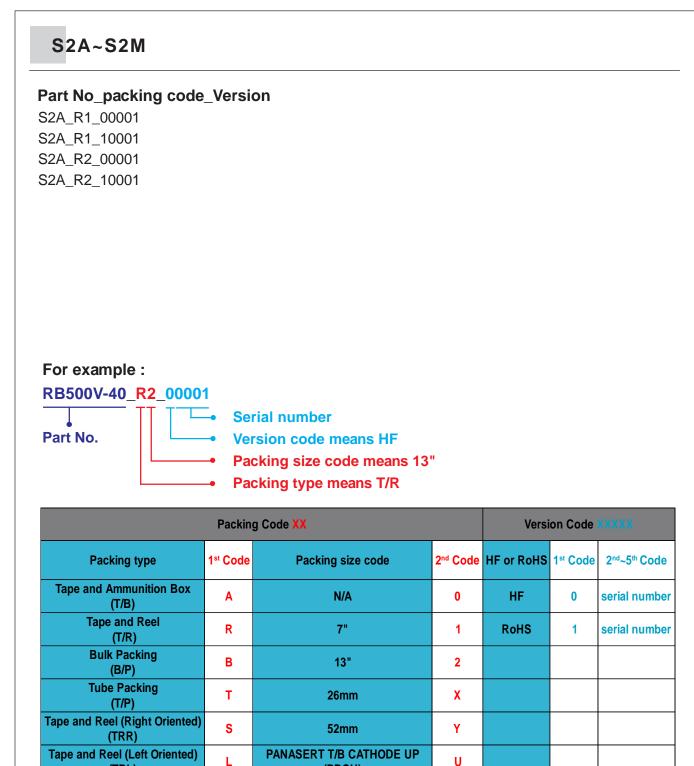
MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information
 T/R 3K per 13" plastic Reel
 - T/R 0.5Kper 7" plastic Reel





(PBCU) PANASERT T/B CATHODE DOWN

(PBCD)

D

(TRL)

FORMING

F

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