

OLTAGE 50 to 1000 Volt CURRENT	2 Ampere	SMB / DO-214AA	Unit : inch(mm)
FEATURES		-	
<ul> <li>Plastic package has Underwriters Laboratory Flammability Classification 94V-O</li> <li>For surface mounted applications in order to optimize</li> <li>Easy pick and place</li> <li>Glass passivated iunction</li> <li>Lead free in compliance with EU RoHS 2011/65/EU di</li> <li>Green molding compound as per IEC61249 Std (Hat see the second sec</li></ul>	rective	0.185(4.70) 0.160(4.06)	0.012(0.305) 0.006(0.152)
MECHANICAL DATA		0.096(2.13)	5
Case: JEDEC DO-214AA molded plastic     Terminals: Solder plated, solderable per MIL-STD-750,     Polarity: Color band denotes cathode end     Standard packaging: 12mm tape (EIA-481)     Weight: 0.003 ounce, 0.092 gram	Method 2026	0.060(1.52) 0.030(0.76) 0.220(5.59) 0.200(5.08)	

#### 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 <sub>RRM</sub>	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V <sub>rms</sub>	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	50	100	200	400	600	800	1000	V
Maximum Average Forward Current	I <sub>F(AV)</sub>	2						А	
Peak Forward Surge Current : 8.3ms Single Half Sine-Wave Superimposed On Rated Load	I <sub>fsm</sub>	60						А	
Peak Forward Surge Current : Square Wave, t=1ms, Non- Repetitive 1 Cycle Peak Value	I <sub>fsm</sub>	130						А	
Maximum Forward Voltage at 2A	V <sub>F</sub>	1.1					V		
Maximum DC Reverse Current at Rated DC Blocking $T_j=25^{\circ}C$ Voltage $T_j=125^{\circ}C$	I <sub>R</sub>	1 125					μA		
Maximum Junction Capacitance (Note 1)	C	30					рF		
Typical Junction Resistance (Note 2)	R <sub>ejl</sub>	16			°C / W				
Operating Junction and Storage Temperature Range	T <sub>J</sub> ,T <sub>STG</sub>	-55 to +150					°C		

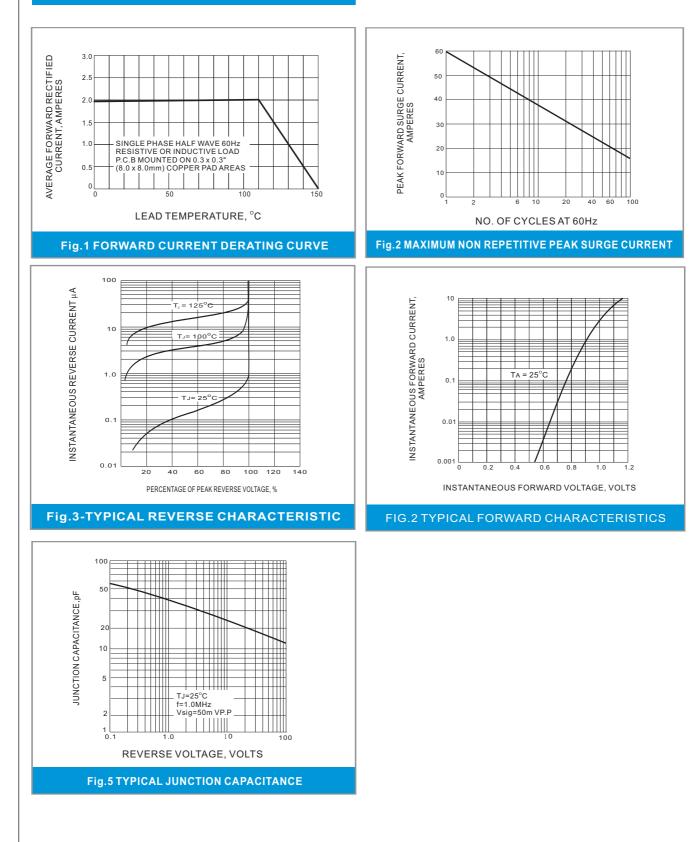
NOTES :

1.Measured at 1MHZ and applied  $V_{\text{R}}\text{=}4$  volts.

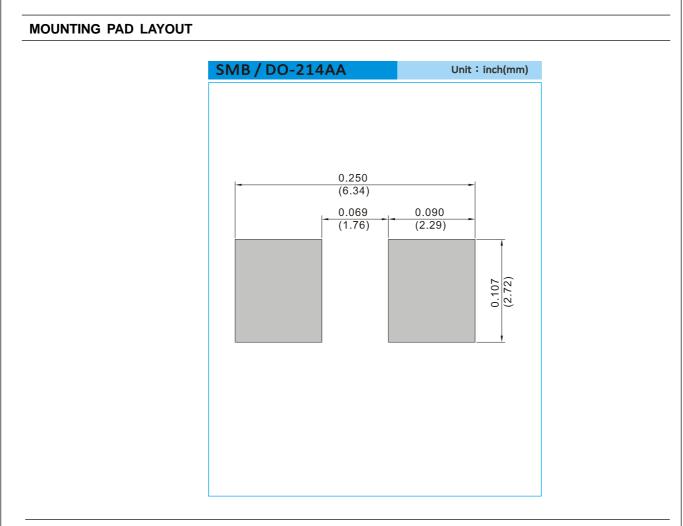
 $2.8\ x\ 8mm^2$  pads.



#### RATING AND CHARACTERISTIC CURVES







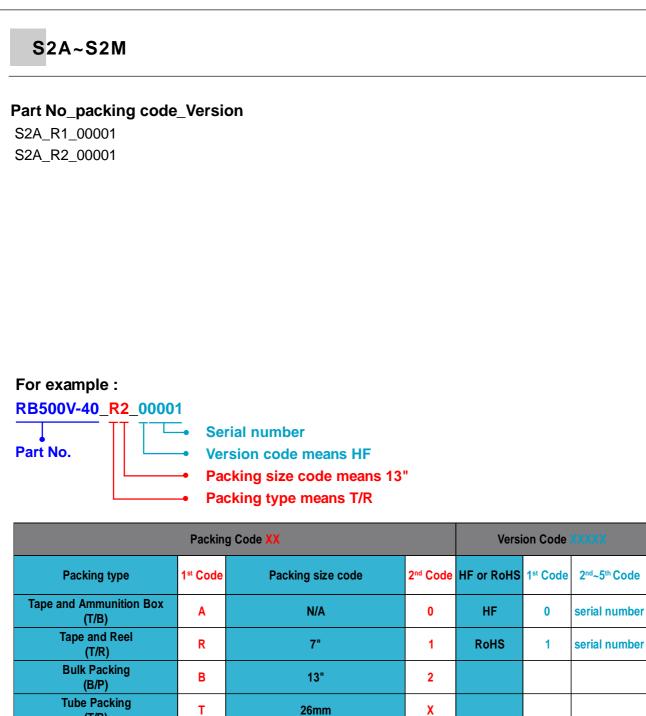
#### **ORDER INFORMATION**

Packing information

T/R - 3K per 13" plastic Reel

T/R - 0.5K per 7" plastic Reel





52mm

PANASERT T/B CATHODE UP

(PBCU) PANASERT T/B CATHODE DOWN

(PBCD)

Υ

U

D

(T/P) Tape and Reel (Right Oriented)

(TRR) Tape and Reel (Left Oriented)

(TRL)

FORMING

S

L

F





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