

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	S3A	S3B	S3D	S3G	S3J	ѕзк	S3M	UNITS
Maximum Recurrent Peak Reverse Voltage		50	100	200	400	600	800	1000	V
Maximum RMS Voltage		35	70	140	280	420	560	700	v
Maximum DC Blocking Voltage		50	100	200	400	600	800	1000	v
Maximum Average Forward Rectified Current at $T_L = 75^{\circ}C$	I _{F(AV)}	3							А
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I _{FSM}	200					A		
Maximum Forward Voltage at 3A	V _F	1.2						v	
Maximum DC Reverse Current at Rated DC Blocking $T_J=25^{\circ}C$ Voltage $T_J=125^{\circ}C$		1 250						μA	
Maximum Junction Capacitance (Note 1)		53						рF	
Typical Junction Resistance (Note 2)		13 47					°C / W		
Operating Junction and Storage Temperature Range		-55 to +150					°C		

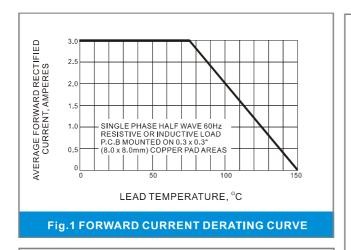
NOTES :

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

2.8mm²(0.013mm thick)land areas.



RATING AND CHARACTERISTIC CURVES



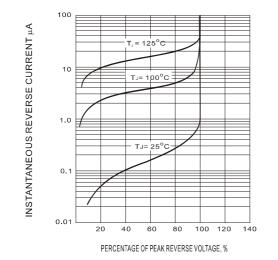
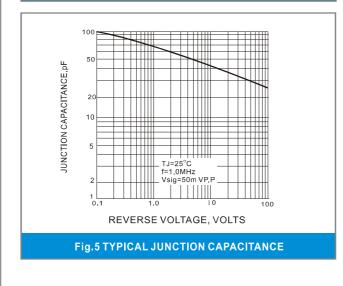
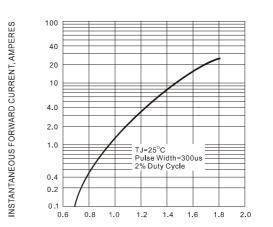


Fig.3-TYPICAL REVERSE CHARACTERISTIC





INSTANTANEOUS FORWARD VOLTAGE, VOLTS

Fig.2 TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

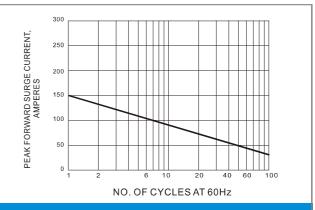


Fig.4 MAXIMUM NON REPETITIVE PEAK SURGE CURRENT

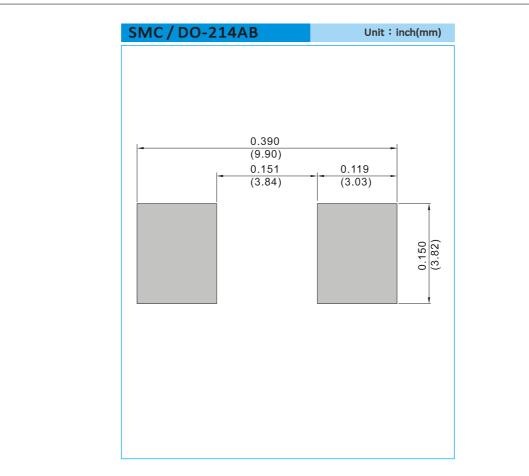
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 11/19/2019
 11/19/2019



S3A~S3M

MOUNTING PAD LAYOUT



ORDER INFORMATION

Packing information

T/R - 3K per 13" plastic Reel

T/R - 0.8K per 7" plastic Reel



Part No_packing code_Version

S3A_R1_00001 S3A_R2_00001

For example :

RB500V-40_R2_00001

Part No.

Serial number
Version code means HF
Packing size code means 13"

- Packing type means T/R

Packing Code XX			Version Code XXXXX				
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code	
Tape and Ammunition Box (T/B)	Α	N/A	0	HF	0	serial number	
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number	
Bulk Packing (B/P)	В	13"	2				
Tube Packing (T/P)	т	26mm	x				
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y				
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U				
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D				



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