

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

Resistive or inductive load.

PARAMETER	SYMBOL	SS12W	SS13W	SS14W	SS15W	SS16W	SS18W	SS19W	\$100W	UNITS
Maximum Recurrent Peak Reverse Voltage		20	30	40	50	60	80	90	100	V
Maximum RMS Voltage		14	21	28	35	42	56	63	70	V
Maximum DC Blocking Voltage		20	30	40	50	60	80	90	100	V
Maximum Average Forward Current at $T_L = 75^{\circ}C$	I _{F(AV)}	1							A	
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I _{fsm}	30							A	
Maximum Forward Voltage at 1A (Note 1)	V _F	0.5 0.7			0.85		V			
Maximum DC Reverse Current at Rated DC Blocking $T_j=25^{\circ}C$ Voltage $T_j=100^{\circ}C$	I _R	0.5 50			0.5 20		mA			
Typical Thermal Resistance (Note 2)	$f R_{_{ extsf{ hetaJL}}} \ R_{_{ hetaJA}}$	28 88						°C / W		
Operating Junction Temperature Range	TJ	-55 to +125 -55 to +150					°C			
Storage Temperature Range	T _{stg}	-55 to +150						°C		

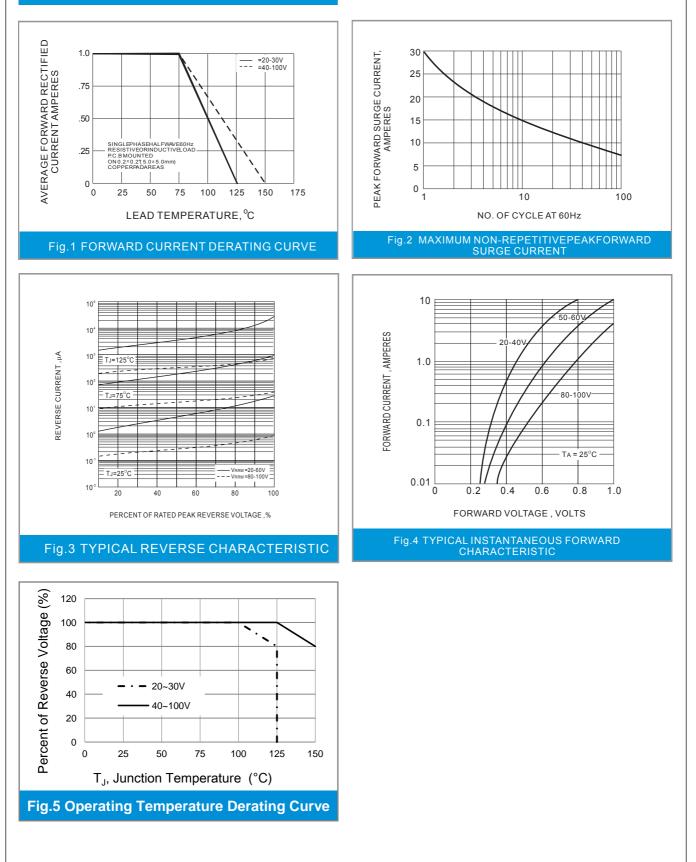
NOTES :

1.Pulse Test with PW =300µsec, 1% Duty Cycle.

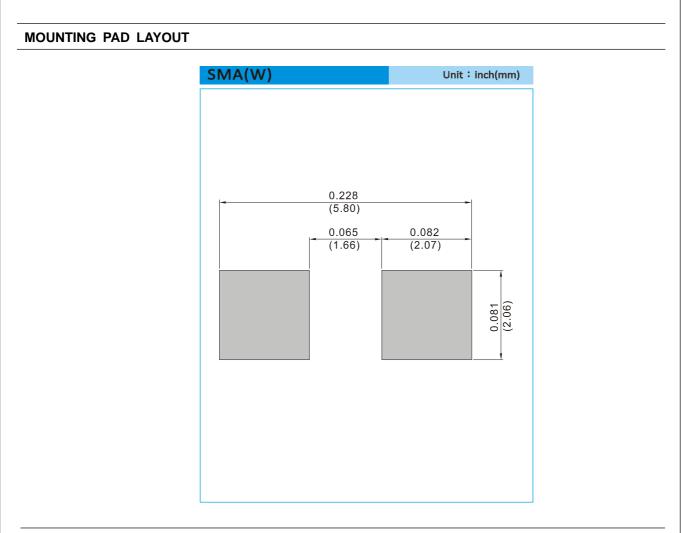
2. Mounted on P.C. Board with $5 mm^2$ (0.013mm thick) copper pad areas.



RATING AND CHARACTERISTIC CURVES







ORDER INFORMATION

Packing information

T/R - 7.5K per 13" plastic Reel

T/R - 1.8K per 7" plastic Reel



Part No_packing code_Version

SS12W_R1_00001 SS12W_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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