

#### 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	V <sub>RRM</sub>	20	30	40	50	60	80	90	100	V
Maximum RMS Voltage	V <sub>rms</sub>	14	21	28	35	42	56	63	70	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	20	30	40	50	60	80	90	100	V
Maximum Average Forward Current at $T_L = 75^{\circ}C$	I <sub>F(AV)</sub>	1							A	
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I <sub>fsm</sub>	30								A
Maximum Forward Voltage at 1A (Note 1)	V <sub>F</sub>	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 <sub>R</sub>	0.5 0.5 50 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 <sub>stg</sub>	-55 to +150							°C	

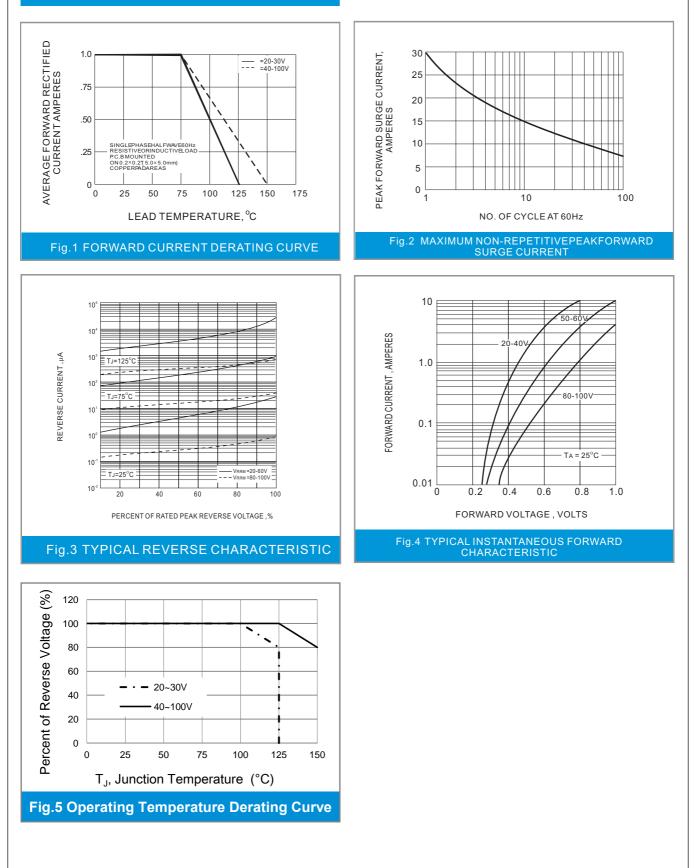
NOTES :

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

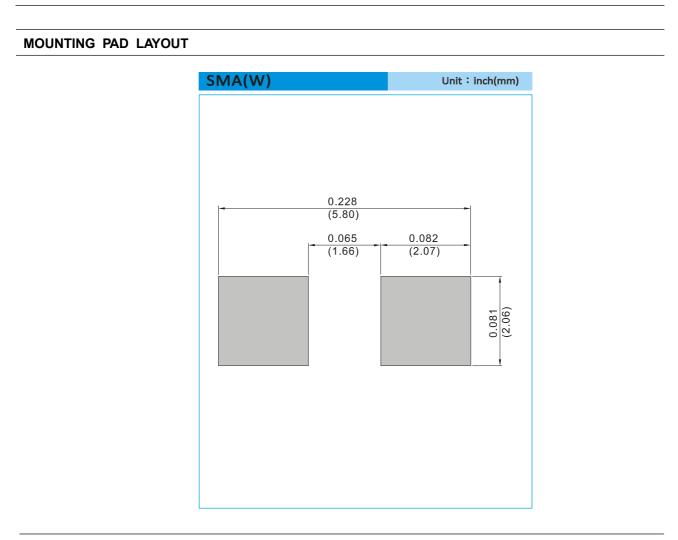
2. Mounted on P.C. Board with  $5mm^2$  (0.013mm thick) copper pad areas.



### RATING AND CHARACTERISTIC CURVES







### ORDER INFORMATION

Packing information

T/R - 7.5K per 13" plastic Reel

T/R - 1.8K per 7" plastic Reel



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