

#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Resistive or inductive load.

PARAMETER	SYMBOL	SS12	SS13	SS14	SS15	SS16	SS18	S100	UNITS
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	20	30	40	50	60	80	100	V
Maximum RMS Voltage	V <sub>rms</sub>	14	21	28	35	42	56	70	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	20	30	40	50	60	80	100	V
Maximum Average Forward Current at T <sub>L</sub> =75°C	I <sub>F(AV)</sub>	1					А		
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I <sub>fsm</sub>	30						А	
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 $T_j=100^{\circ}$	, I <sub>R</sub>	0.2 6		0.1 5		0.5 2		mA	
Typical Thermal Resistance (Note 2)	$R_{_{ extsf{ hetaJL}}} \ R_{_{ hetaJA}}$	28 88				°C / W			
Operating Junction Temperature Range	TJ	-55 to +125				°C			
Storage Temperature Range	T <sub>stg</sub>	-55 to +150				°C			

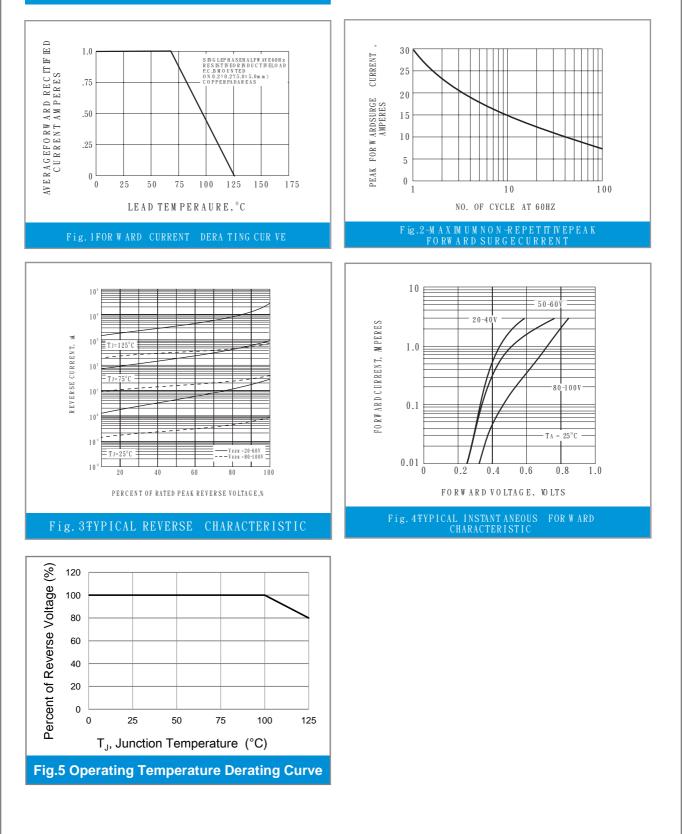
#### NOTES :

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

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



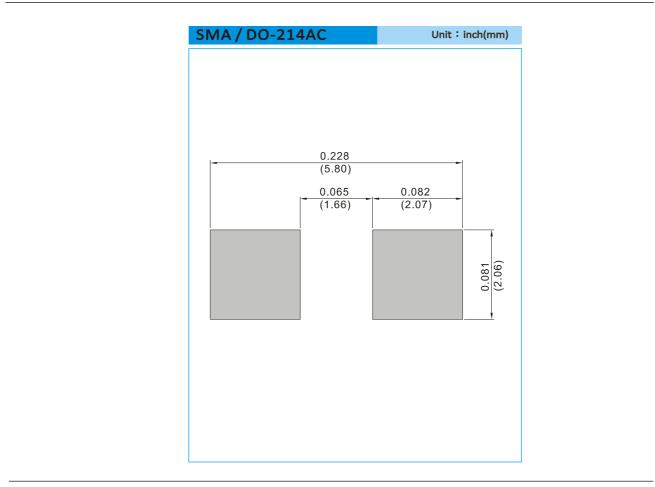
#### RATING AND CHARACTER ISTIC CURVES







#### MOUNTING PAD LAYOUT



#### 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

SS12\_R1\_00001 SS12\_R2\_00001

### For example :

RB500V-40\_R2\_00001



- 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 <sup>st</sup> Code	Packing size code	2 <sup>nd</sup> Code	HF or RoHS	1 <sup>st</sup> Code	2 <sup>nd</sup> ~5 <sup>th</sup> 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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