

#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

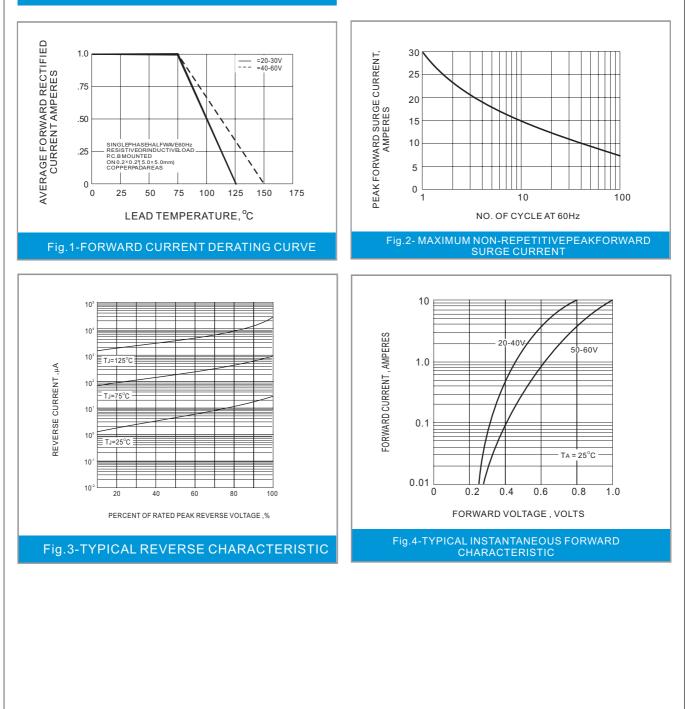
PARAMETER	SYMBOL	SK12	SK13	SK14	SK15	SK16	UNITS
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	20	30	40	50	60	V
Maximum RMS Voltage	V <sub>rms</sub>	14	21	28	35	42	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	20	30	40	50	60	v
Maximum Average Forward Current at $T_L = 75^{\circ}C$	I <sub>F(AV)</sub>	1.0					A
Peak Forward Surge Current :8.3ms single half sine-wave superimposed on rated load(JEDEC method)	I <sub>FSM</sub>	30					А
Maximum Forward Voltage at 1.0A (Note 1)	V <sub>F</sub>	0.5			0.7		V
Maximum DC Reverse Current T <sub>j</sub> =25°C at Rated DC Blocking Voltage T <sub>j</sub> =100°C	I <sub>R</sub>	0.2 20		0.1 20		mA	
Typical Thermal Resistance ( Note 2)	R <sub>ejl</sub> R <sub>eja</sub>	30 95					°C / W
Operating Junction Temperature Range	TJ	-50 to +125 -50 to +150			0	°C	
Storage Temperature Range	Τ <sub>stg</sub>	-55 to +150					°C

NOTES:

- 1.Pulse Test with PW =300µsec, 1% Duty Cycle.
- 2. Mounted on P.C. Board with  $5.0 \text{mm}^2$  (.013 mm thick) copper pad areas.

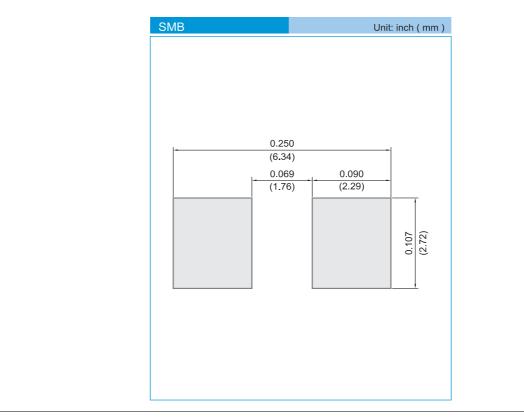


#### RATING AND CHARACTERISTIC CURVES





#### **MOUNTING PAD LAYOUT**



#### **ORDER INFORMATION**

- Packing information
   T/R 3K per 13" plastic Reel
  - T/R 0.5Kper 7" plastic Reel





#### Part No\_packing code\_Version

SK12\_R1\_00001 SK12\_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)	A	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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