

#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

PARAMETER		SYMBOL	MB24	MB24A	MB25	MB26	MB28	MB29	MB210	MB215	MB220	UNITS
Maximum Recurrent Peak Reverse Voltage		V <sub>RRM</sub>	40	45	50	60	80	90	100	150	200	V
Maximum RMS Voltage		V <sub>RMS</sub>	28	31.5	35	42	56	63	70	105	140	V
Maximum DC Blocking Voltage		V <sub>DC</sub>	40	45	50	60	80	90	100	150	200	V
Maximum Average Forward Current		I <sub>F(AV)</sub>	2							A		
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load		I <sub>fsm</sub>					50					A
Maximum Forward Voltage at 2A (Note 1)		V <sub>F</sub>	0.7			74	0.8			0.9		V
Maximum DC Reverse Current at Rated DC Blocking Voltage	Tj=25°C	I <sub>R</sub>	0.05							mA		
Maximum DC Reverse Current at Rated DC Blocking Voltage	T <sub>J</sub> =100°C	I <sub>R</sub>	20					1			mA	
Typical Thermal Resistance (Note 2)		R <sub>ejl</sub>	12						°C / W			
Operating Junction and Storage Temperature Range		T_,T <sub>stg</sub>	-55 to +150 -55 to +175						°C			

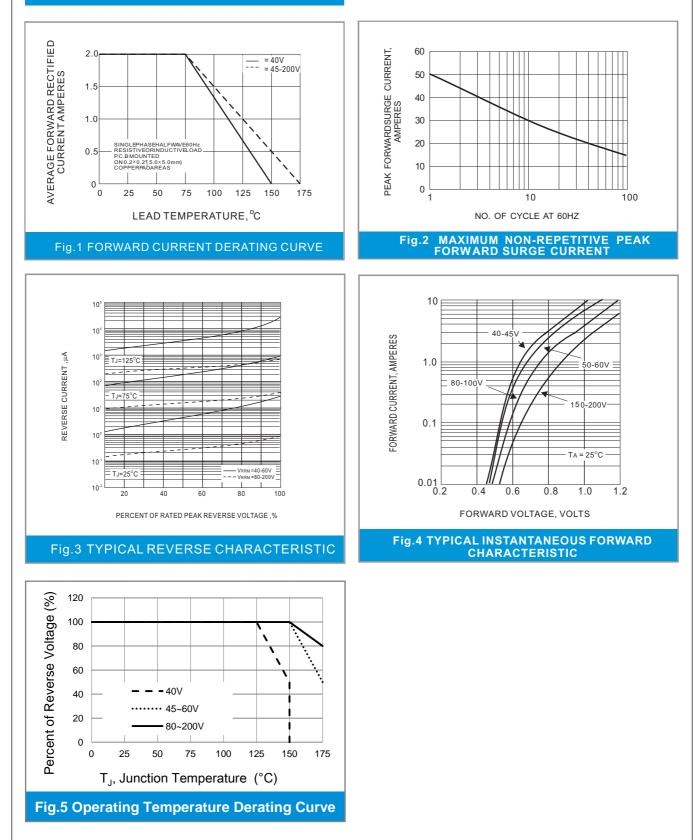
#### NOTES :

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

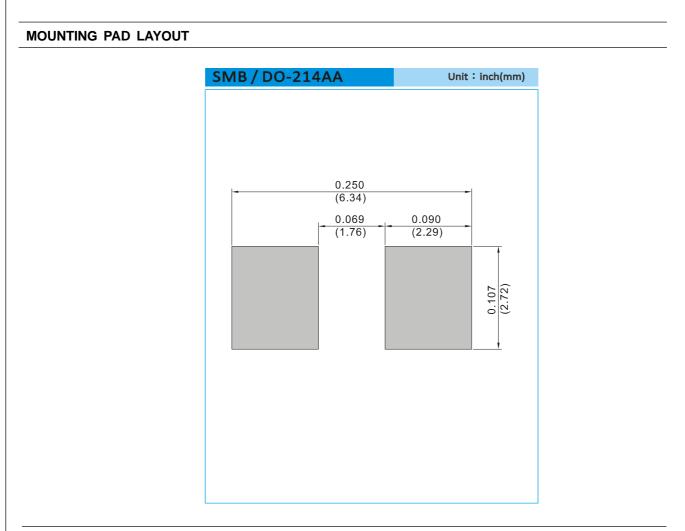
2. Mounted on P.C. Board with  $8 \text{mm}^2$  (0.013mm thick) copper pad areas.



### RATING AND CHARACTERISTIC CURVES





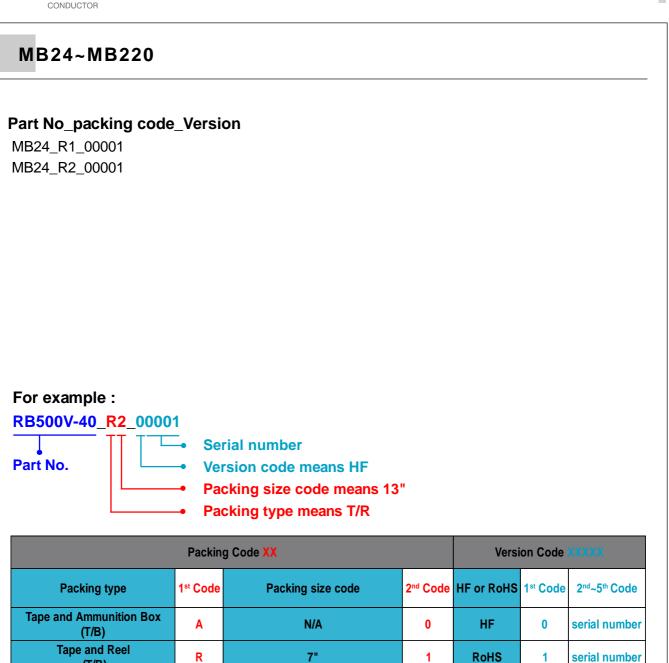


#### ORDER INFORMATION

Packing information

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





13"

26mm

52mm

PANASERT T/B CATHODE UP

(PBCU) PANASERT T/B CATHODE DOWN

(PBCD)

2

Χ

Υ

U

D

(T/R) Bulk Packing

(B/P) Tube Packing

(T/P) Tape and Reel (Right Oriented)

(TRR) Tape and Reel (Left Oriented)

(TRL)

FORMING

В

т

S

L

F





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