

#### 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								А	
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I <sub>fsm</sub>	50								А	
Maximum Forward Voltage at 2A (Note 1)	V <sub>F</sub>	0.7 0.74 0.8 0.9					.9	V			
Maximum DC Reverse Current at Rated DC Blocking Tj=25°C Voltage Tj=100°C	I <sub>R</sub>	0.05 20									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 :

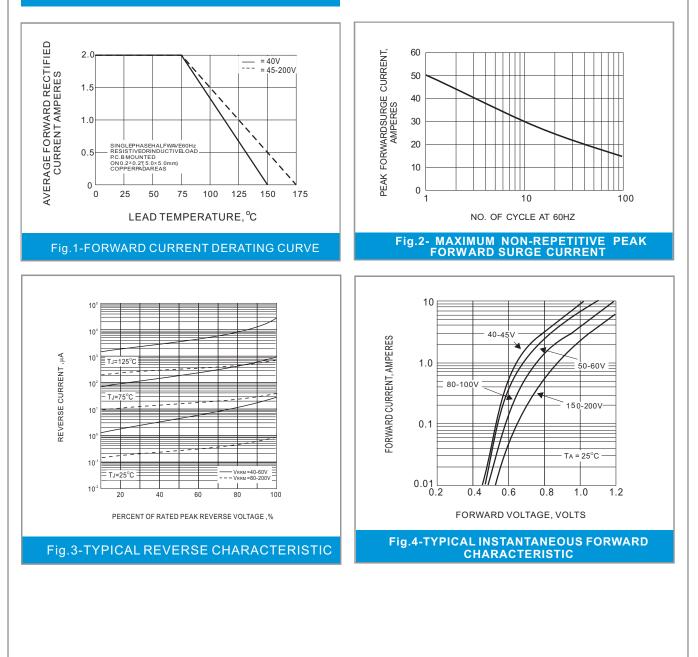
1. Pulse Test with PW =300µsec, 1% Duty Cycle.

2. Mounted on P.C. Board with  $8 mm^2 \,$  (.013mm thick) copper pad areas.



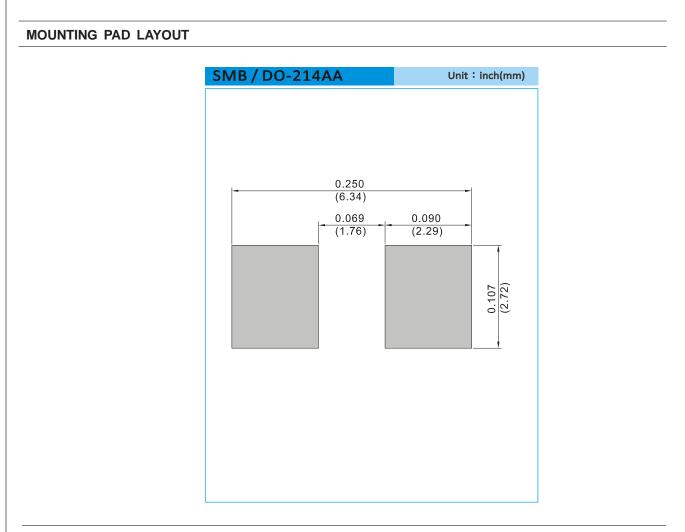
## MB24~MB220

### RATING AND CHARACTERISTIC CURVES





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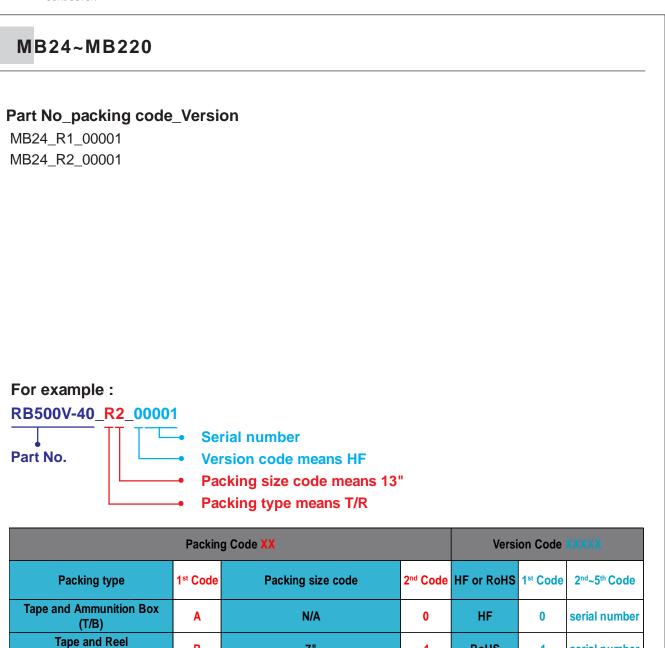


#### ORDER INFORMATION

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

T/R - 0.5K per 7" plastic Reel





7"

13"

26mm

52mm

PANASERT T/B CATHODE UP

(PBCU) PANASERT T/B CATHODE DOWN

(PBCD)

RoHS

1

1

2

Χ

Υ

U

D

R

В

т

S

L

F

(T/R) Bulk Packing

(B/P) Tube Packing

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

(TRR) Tape and Reel (Left Oriented)

(TRL)

FORMING

serial number





### MB24~MB220

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