

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

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PARAMETER		SYMBOL	MB34	MB34A	MB35	MB36	MB38	MB39	MB310	MB315	MB320	UNITS
Maximum Recurrent Peak Reverse Voltage		V _{RRM}	40	45	50	60	80	90	100	150	200	V
Maximum RMS Voltage		V _{RMS}	28	31.5	35	42	56	63	70	105	140	V
Maximum DC Blocking Voltage		V _{DC}	40	45	50	60	80	90	100	150	200	V
Maximum Average Forward Current (See figure 1)		I _{F(AV)}	3									A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load		I _{FSM}	100									А
Maximum Forward Voltage at 3A (Note 1)		V _F	0.7	0.7		.74		0.8		0.9		V
Maximum DC Reverse Current at Rated DC Blocking Voltage	T _J =25 ^o C	I _R		0.05								mA
Maximum DC Reverse Current at Rated DC Blocking Voltage	T _J =100°C	I _R	2 1						mA			
Typical Junction Capacitance (V _R =4V,1MHz)		CJ	140						pF			
Typical Thermal Resistance	(Note 2) (Note 3)	R _{ejl} R _{eja}	15 110				°C / W					
Operating Junction and Storage Temperature Range		T _J ,T _{stg}	-55 to +150	to +150 -65 to +175								°C

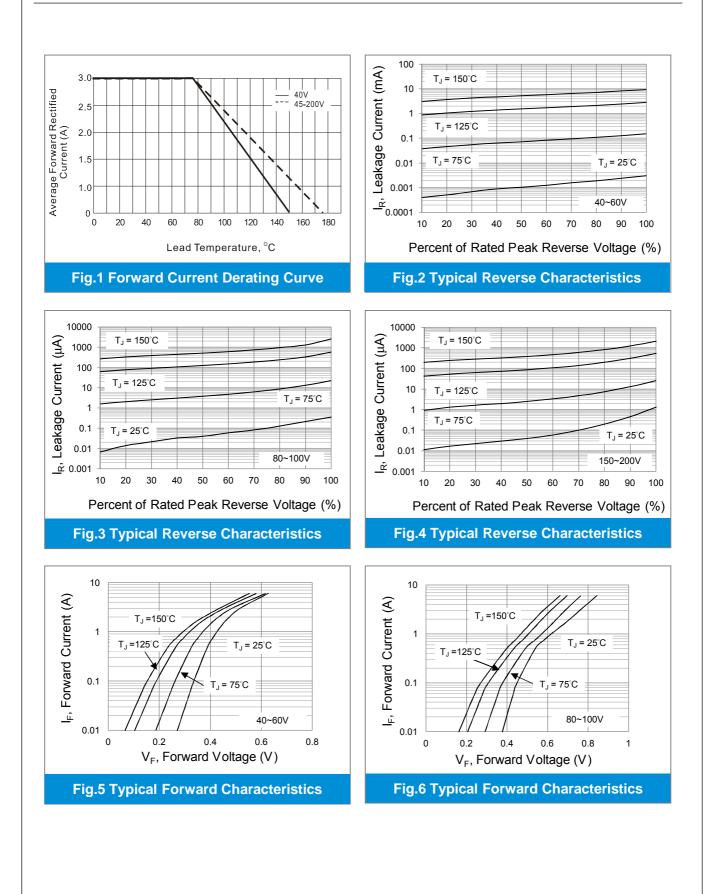
NOTES :

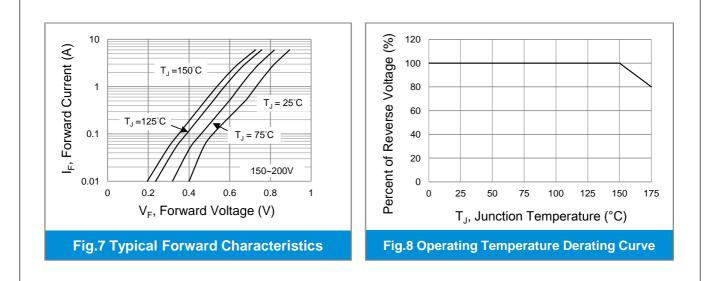
1. Pulse Test with PW =300µsec, 1% Duty Cycle.

2. Mounted on a FR4 PCB, single-sided copper, with 100cm² copper pad area.

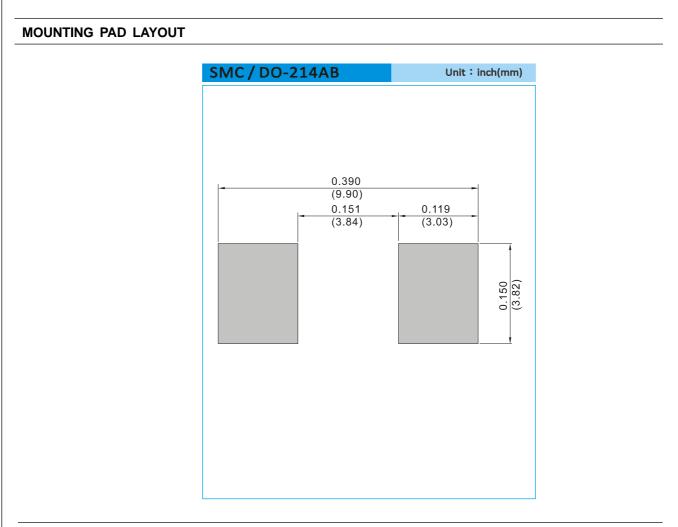
3. Mounted on a FR4 PCB, single-sided copper, mini pad.











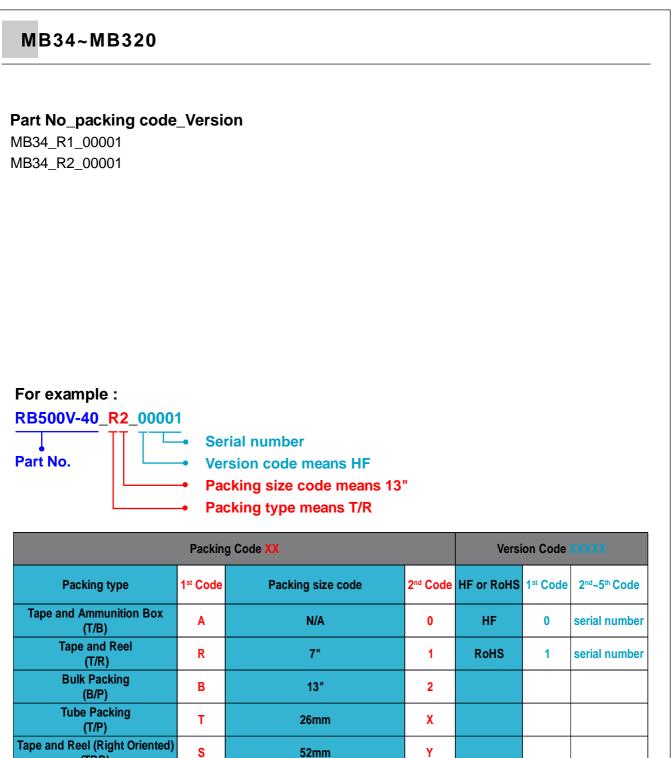
ORDER INFORMATION

Packing information

T/R - 3K per 13" plastic Reel

T/R - 0.8K per 7" plastic Reel





PANASERT T/B CATHODE UP

(PBCU) PANASERT T/B CATHODE DOWN

(PBCD)

U

D

(TRR) Tape and Reel (Left Oriented)

(TRL)

FORMING

L

F





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