

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.

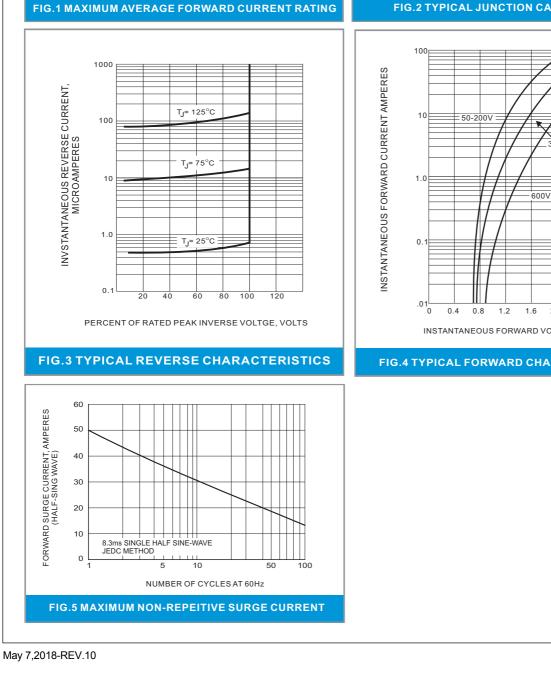
PARAMETER	SYMBOL	ER2A	ER2B	ER2C	ER2D	ER2E	ER2G	ER2J	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	150	200	300	400	600	v
Maximum RMS Voltage	V _{RMS}	35	70	105	140	210	280	420	v
Maximum DC Blocking Voltage	V _{DC}	50	100	150	200	300	400	600	v
Maximum Average Forward Current T _L =110°C	I _{F(AV)}	2					A		
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I _{FSM}	50				A			
Maximum Forward Voltage at 2A	V _F		0.9	95		1.2	25	1.7	v
Maximum DC Reverse Current at Rated DC T_j=25°C Blocking Voltage T_j=100°C	I _R	1 150				μA			
Maximum Reverse Recovery Time (Note 1)	t _{rr}				35				ns
Typical Junction Capacitance (Note 2)		25							pF
Typical Thermal Resistance (Note 3)		20						°C / W	
Typical Thermal Resistance (Note 3)		15						°C / W	
Operating Junction and Storage Temperature Range		-55 to +150						°C	

NOTES:1. Reverse Recovery Test Conditions: I_F=0.5A, I_R=-1A, I_{rr}=-0.25A

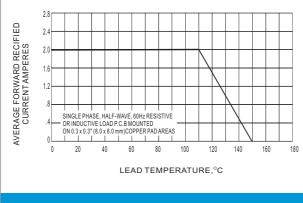
2. Measured at 1 MHz and applied V_r = 4 volts.

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





RATING AND CHARACTERISTIC CURVES



70 60 50 CAPACITANCE, pF 40 30 20 Тј = 25°С f = 1.0Мнz 10 Vsig = 50mVp-p 0 ∟ 0.1 10 100 1000 REVERSE VOLTAGE, VOLTS

FIG.2 TYPICAL JUNCTION CAPACITANCE

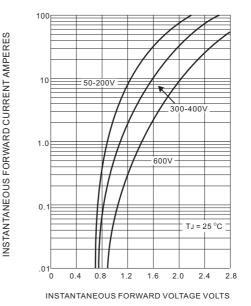


FIG.4 TYPICAL FORWARD CHARACTERISTICS





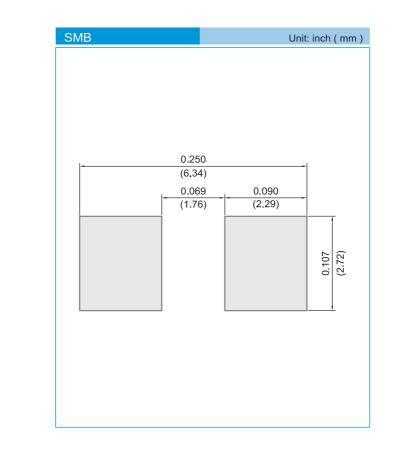
ER2A~ER2J





ER2A~ER2J

MOUNTING PAD LAYOUT



ORDER INFORMATION

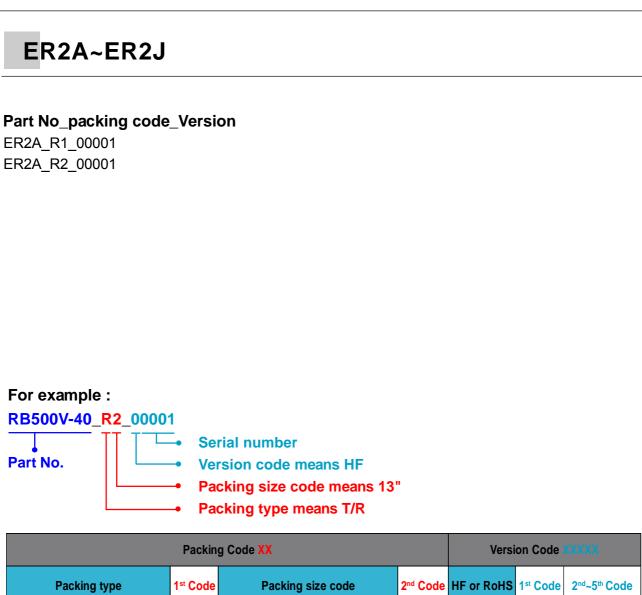
Packing information

T/R - 3K per 13" plastic Reel

T/R - 0.8K per 7" plastic Reel

1 B





Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th 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						





ER2A~ER2J

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