

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		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	0.95 1.25			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)		35						ns	
Typical Junction Capacitance (Note 2)	C	25				pF			
Typical Thermal Resistance (Note 3)	R _{eul}	20				°C / V			
Typical Thermal Resistance (Note 3)		15						°C / V	
Operating Junction and Storage Temperature Range		-55 to +150						°C	

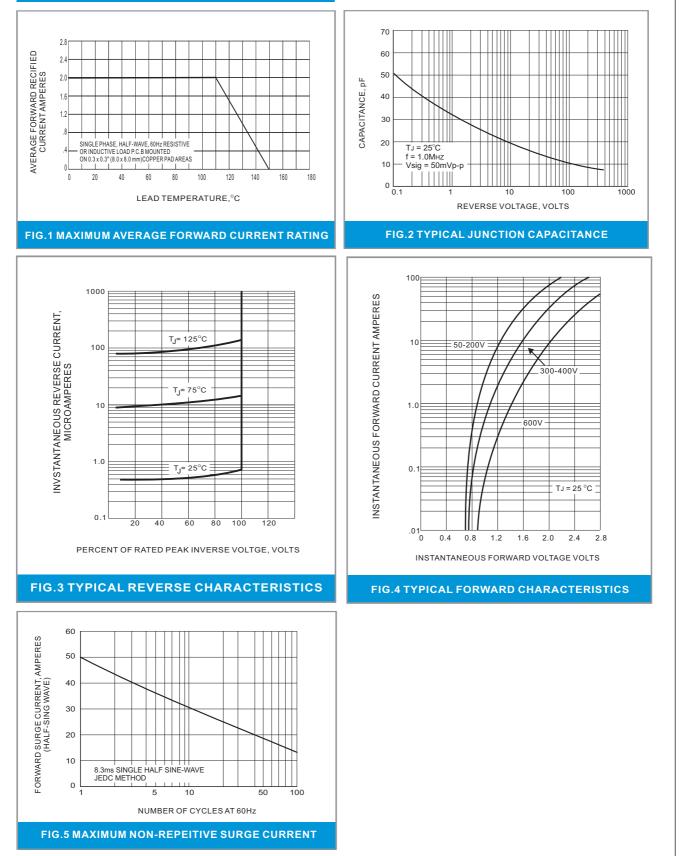
NOTES:1. Reverse Recovery Test Conditions: I_F=0.5A, I_R=-1A, I_{rr}=-0.25A

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.

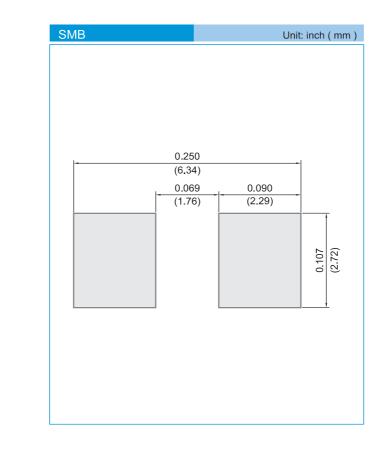








MOUNTING PAD LAYOUT



ORDER INFORMATION

Packing information

T/R - 3K per 13" plastic Reel

T/R - 0.8K per 7" plastic Reel



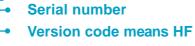
Part No_packing code_Version

ER2A_R1_00001 ER2A_R2_00001

For example :

RB500V-40_R2_00001

Part No.



Packing size code means 13"

• Packing type means T/R

Packing Code XX				Version Code XXXXX				
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					



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