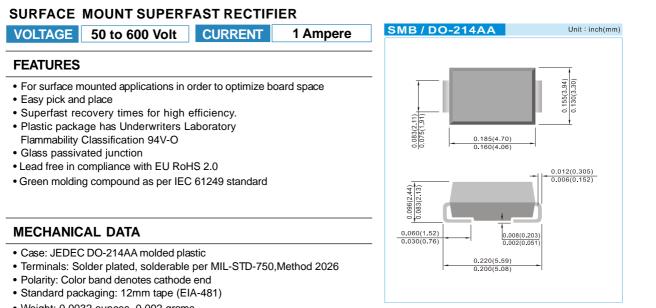


ER1A~ER1J



• Weight: 0.0032 ounces, 0.092 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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%.

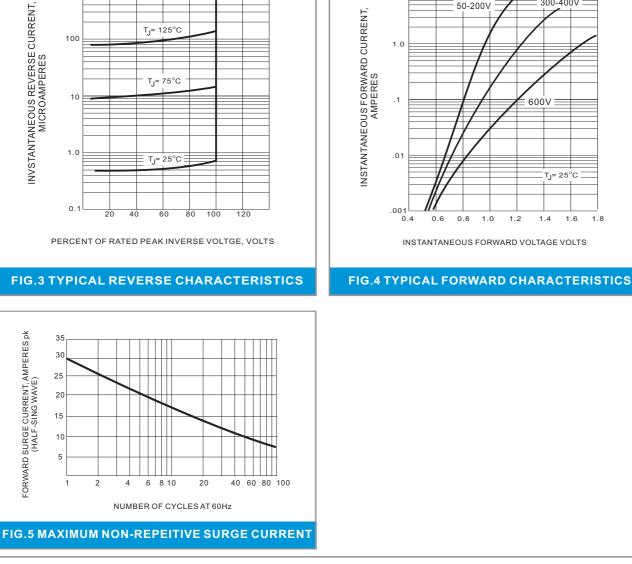
PARAMETER	SYMBOL	ER1A	ER1B	ER1C	ER1D	ER1E	ER1G	ER1J	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	150	200	300	400	600	V
Maximum RMS Voltage	V _{rms}	35	70	105	140	210	280	420	V
Maximum DC Blocking Voltage	V _{DC}	50	100	150	200	300	400	600	V
Maximum Average Forward Current at T _L =100°C	I _{F(AV)}	1				A			
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I _{FSM}	30				A			
Maximum Forward Voltage at 1A		0.95 1.25 1.7			1.7	v			
Maximum DC Reverse Current at Rated DC Blocking $T_j = 25^{\circ}C$ Voltage $T_j = 100^{\circ}C$		1 150					μA		
Maximum Reverse Recovery Time (Note 1)		35					ns		
Typical Junction Capacitance (Note 2)		10					рF		
Maximum Thermal Resistance (Note 3)		34				°C / W			
Operating Junction and Storage Temperature Range	T_,T _{stg}	-55 to +150				°C			

NOTES :

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

2.Measured at 1MHz and applied reverse voltage of 4 volts.

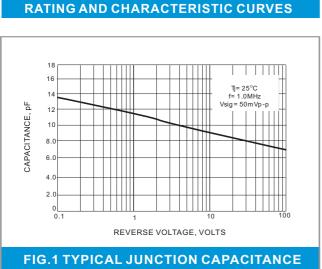
3.8mm²(0.013mm thick) land areas.





T_J= 125°C

 $T_J = 75^{\circ}C$



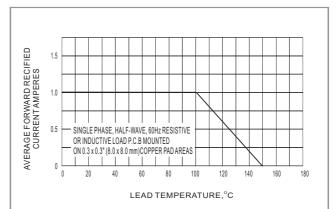
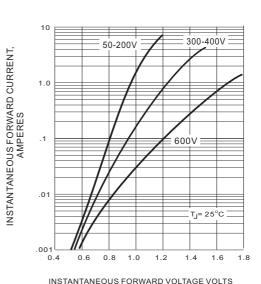


FIG.2 MAXIMUM AVERAGE FORWARD CURRENT DERATING





1000

100

10

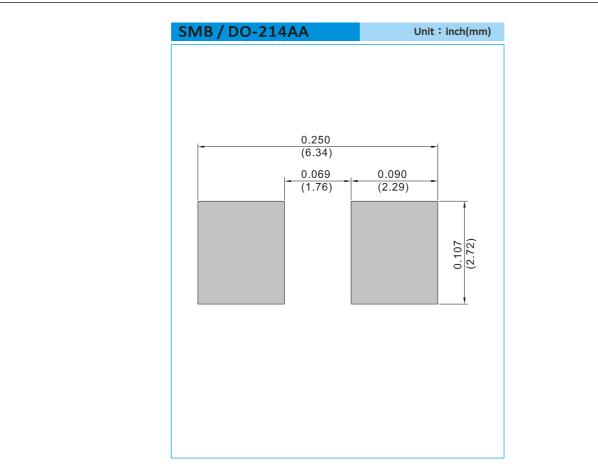






ER1A~ER1J

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

ER1A_R1_00001 ER1A_R2_00001

For example :

RB500V-40_R2_00001

Part No.

Serial number

- _ Version code means HF 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)	Α	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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 70HF120
 85HFR80
 D126A45C
 SCF7500
 D251N08B
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 ACGRA4001

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 PR
 D1251S45T
 NTE6358
 NTE5850
 NTE5837
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