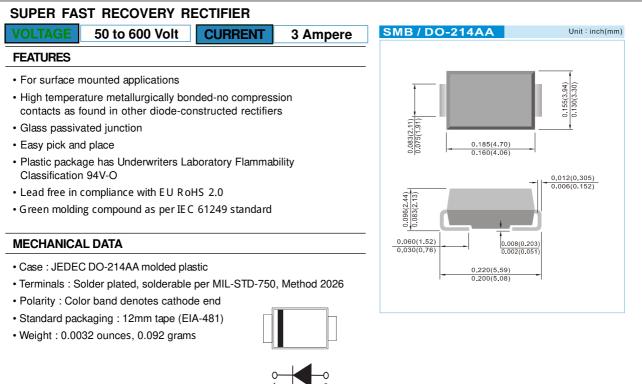
May 7,2018-REV.02

ER3AA~ER3JA



Cathode Anode

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%.

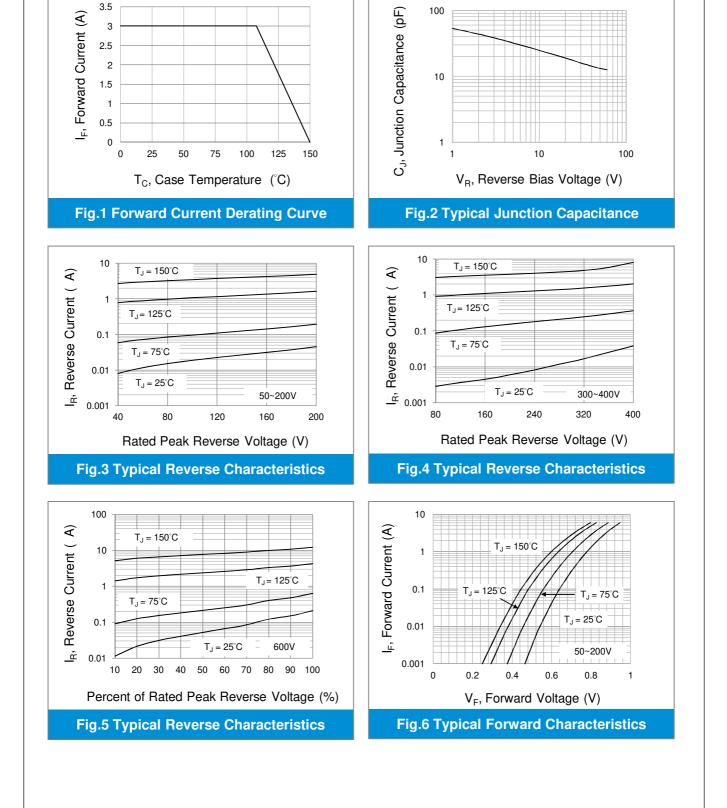
PARAMETER	SYMBOL	ER3AA	ER3BA	ER3CA	ER3DA	ER3EA	ER3GA	ER3JA	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	150	200	300	400	600	v
Maximum RMS Voltage	V _{RMS}	35	70	105	140	210	280	420	v
Maximum DC Blocking Voltage	V _{DC}	50	100	150	200	300	400	600	v
Maximum Average Forward Current	I _{F(AV)}	3						A	
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I _{fsm}	80						A	
Maximum Forward Voltage at 3A	V _F	0.95 1.25 1.7					1.7	v	
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R	1						μA	
Maximum Reverse Recovery Time (Notes 3)	t _{rr}	35						ns	
Typical Junction Capacitance Measured at 1MHz and applied V _R =4V	C	45						pF	
Typical Thermal Resistance (Notes 2) (Notes 1)	R _{θJA} R _{θJC}	135 20							°C / W
Operating and Storage Temperature Range	T _J ,T _{STG}	-55 to +150							°C

NOTES:1. Mounted on a FR4 PCB, single-sided copper, with 100 $\rm cm^2$ copper pad area

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

3. Reverse Recovery Test Conditions: $I_{F}{=}0.5A$, $I_{R}{=}{-}1A$ $Irr{=}{-}0.25A$





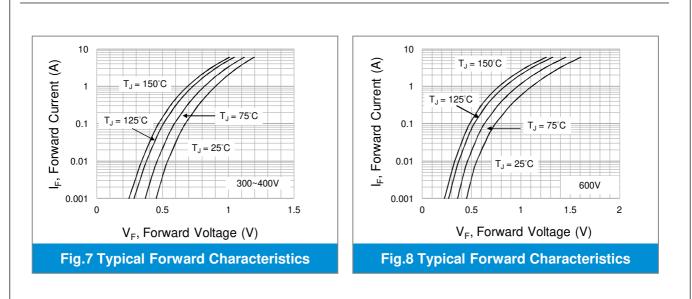


ER3AA~ER3JA





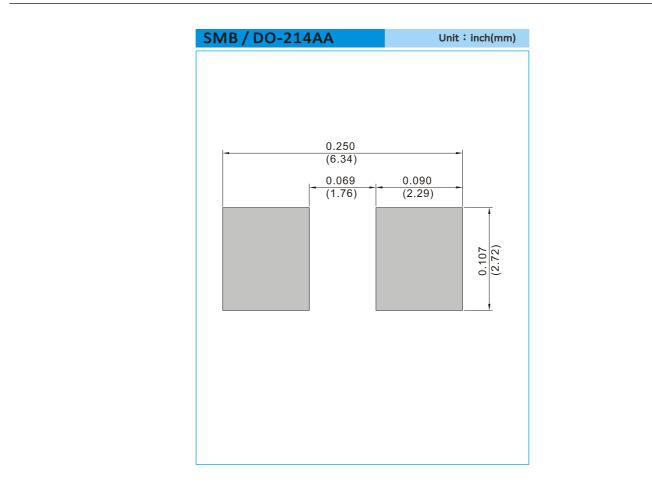
ER3AA~ER3JA





ER3AA~ER3JA

MOUNTING PAD LAYOUT



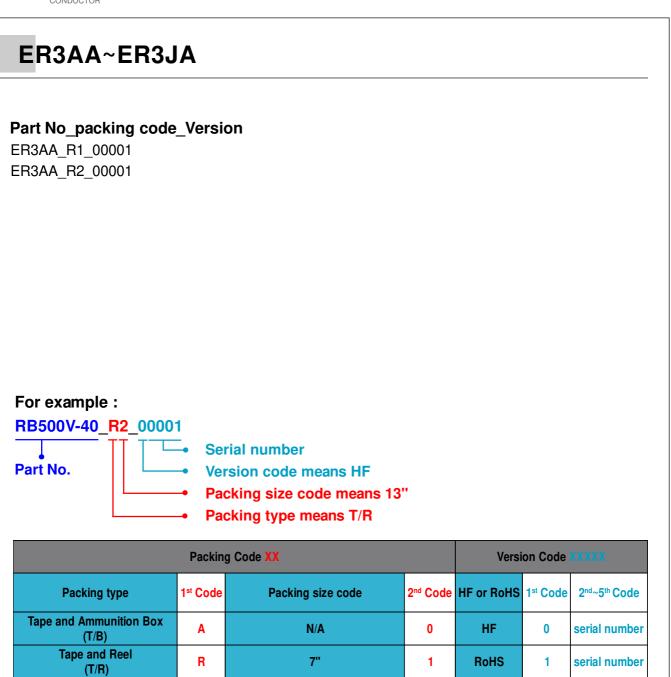
ORDER INFORMATION

Packing information

T/R - 3K per 13" plastic Reel T/R - 0.8K per 7" plastic Reel

1 T 1





13"

26mm

52mm

PANASERT T/B CATHODE UP

(PBCU) PANASERT T/B CATHODE DOWN

(PBCD)

2

Χ

Y

U

D

Bulk Packing

(B/P) Tube Packing

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

(TRR) Tape and Reel (Left Oriented)

(TRL)

FORMING

В

т

S

L

F





Disclaimer

- Reproducing and modifying information of the document is prohibited without permission from Panjit International Inc..
- Panjit International Inc. reserves the rights to make changes of the content herein the document anytime without notification. Please refer to our website for the latest document.
- Panjit International Inc. disclaims any and all liability arising out of the application or use of any product including damages incidentally and consequentially occurred.
- Panjit International Inc. does not assume any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.
- Applications shown on the herein document are examples of standard use and operation. Customers are responsible in comprehending the suitable use in particular applications. Panjit International Inc. makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.
- The products shown herein are not designed and authorized for equipments requiring high level of reliability or relating to human life and for any applications concerning life-saving or life-sustaining, such as medical instruments, transportation equipment, aerospace machinery et cetera. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Panjit International Inc. for any damages resulting from such improper use or sale.
- Since Panjit uses lot number as the tracking base, please provide the lot number for tracking when complaining.