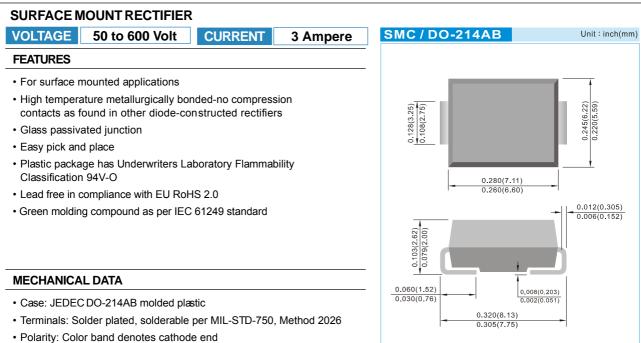
ER3A~ER3J



- Standard packaging: 16mm tape (EIA-481)
- Weight: 0.0082 ounces, 0.2325 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	ER3A	ER3B	ER3C	ER3D	ER3E	ER3G	ER3J	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 $T_L = 75^{\circ}C$	I _{F(AV)}	3						А	
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I _{fsm}	100						А	
Maximum Forward Voltage at 3A	V _F	0.95 1.25 1.7					1.7	v	
Maximum DC Reverse Current at Rated DC Blocking Tj=25°C Voltage Tj=100°C	I _R	1 200						μA	
Maximum Reverse Recovery Time (Notes 1)	t _{rr}	35						ns	
Typical Junction Capacitance (Notes 2)	C	45							рF
Typical Thermal Resistance (Notes 3)	R _{ejl}		16						°C / W
Operating and Storage Temperature Range	T _J ,T _{stg}	-55 to +150						°C	

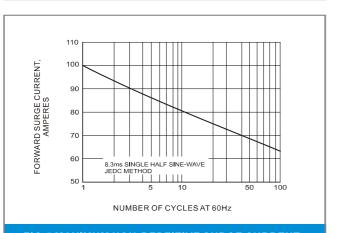
NOTES:1. Reverse Recovery Test Conditions: I_F=0.5A, I_R=-1A, I_{rr}=-0.25A

2. Measured at 1 MHz and applied $V_{\textrm{r}}$ = 4 volts.

3. $8 mm^2$ (0.013 mm thick) land areas.

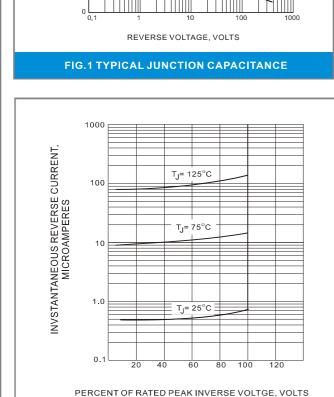












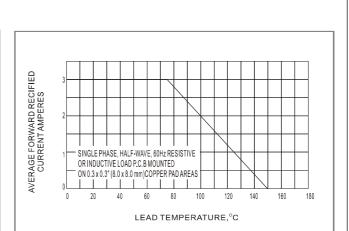
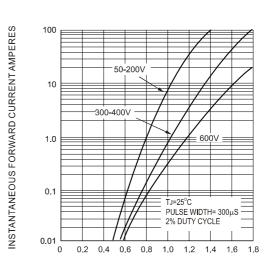


FIG.2 MAXIMUM AVERAGE FORWARD CURRENT RATING



INSTANTANEOUS FORWARD VOLTAGE VOLTS

FIG.4 TYPICAL FORWARD CHARACTERISTICS



ER3A~ER3J

CAPACITANCE, pF

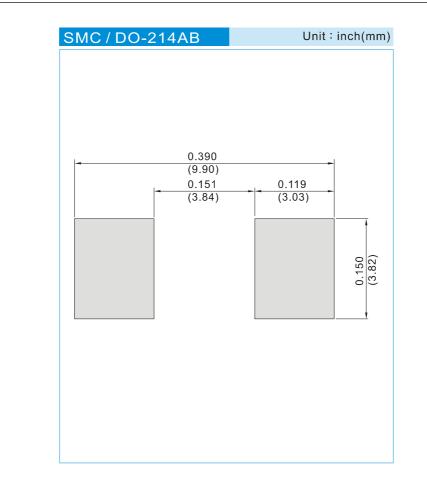
RATING AND CHARACTERISTIC CURVES

TJ = 25°C f = 1.0Мнz Vsig = 50mVp



ER3A~ER3J

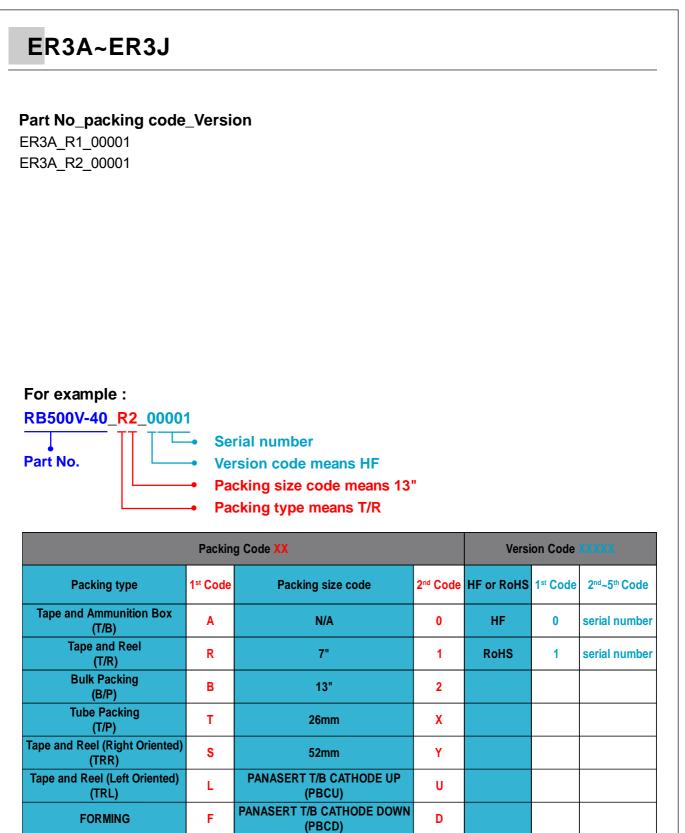
MOUNTING PAD LAYOUT



ORDER INFORMATION

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









ER3A~ER3J

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