# DC COMPONENTS CO., LTD.

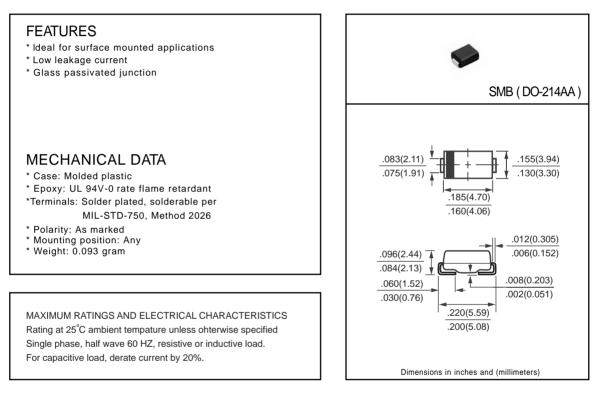
### RECTIFIER SPECIALISTS

ER2A THRU ER2J

## TECHNICAL SPECIFICATIONS OF SUPER FAST RECOVERY RECTIFIER

VOLTAGE RANGE - 50 to 600 Volts

# CURRENT - 2.0 Amperes

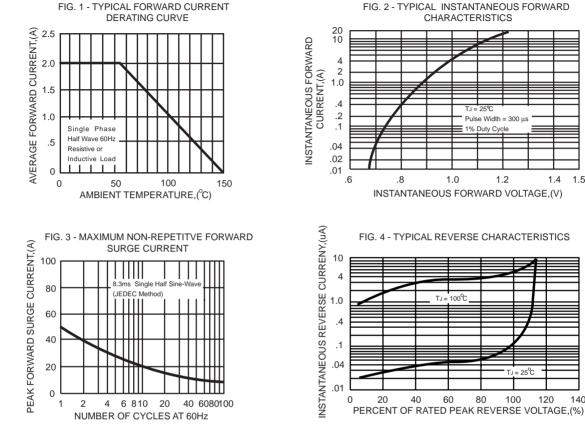


		SYMBOL	ER2A	ER2B	ER2C	ER2D	ER2E	ER2G	ER2J	UNITS
Maximum Recurrent Peak Reverse Voltage		Vrrm	50	100	150	200	300	400	600	Volts
Maximum RMS Voltage		Vrms	35	70	105	140	210	280	420	Volts
Maximum DC Blocking Voltage		VDC	50	100	150	200	300	400	600	Volts
Maximum Average Forward Rectified Current at TA = 55°C		lo	2.0							Amps
Peak Forward Surge Current IFM(surge): 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)		IFSM	50						Amps	
Maximum Forward Voltage at 2.0A DC		VF	0.95 1.25 1.7			1.7	Volts			
Maximum DC Reverse Current at Rated DC Blocking Voltage	@TA = 25°C	la.	5.0						- μAmps	
	$@T_A = 100^{\circ}C$	lr.	200							
Maximum Reverse Recovery Time (Note 1)		trr	35							nSec
Typical Junction Capacitance (Note 2)		CJ	60							pF
Operating and Storage Temperature Range		TJ, TSTG	-55 to +150						٥C	

NOTES : 1. Test Conditions: IF=0.5A, IR=1.0A, IRR=0.25A.

2. Measured at 1.0 MHz and applied reverse voltage of 4.0 volrs.

### RATING AND CHARACTERISTIC CURVES (ER2A THRU ER2J)



#### FIG. 5 - TEST CIRCUIT DIAGRAM AND REVERSE RECOVERY TIME CHARACTERISTIC

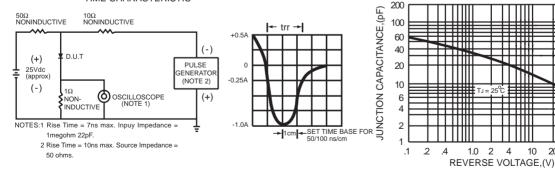


FIG. 2 - TYPICAL INSTANTANEOUS FORWARD

1.4 1.5

25°C

FIG. 6 - TYPICAL JUNCTION CAPACITANCE

20 40

10

120

140

100

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