DC COMPONENTS CO., LTD.

RECTIFIER SPECIALISTS

THRU

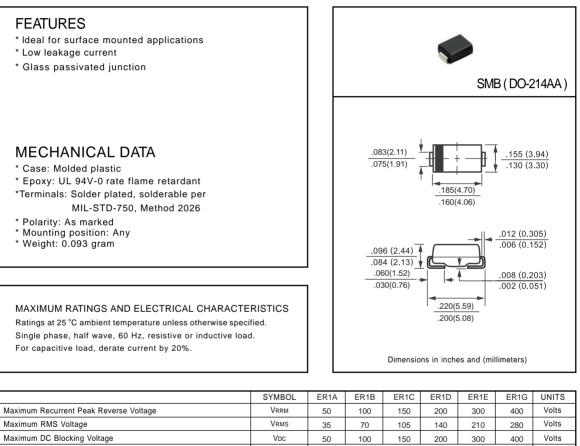
FR1A

ER1G

TECHNICAL SPECIFICATIONS OF SURFACE MOUNT SUPER FAST RECTIFIER

VOLTAGE RANGE - 50 to 400 Volts

CURRENT - 1.0 Ampere



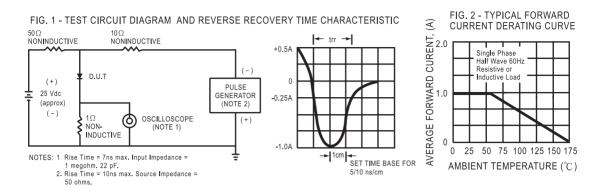
Maximum KMS voltage		VICINIO	35	70	105	140	210	280	VUILS	
Maximum DC Blocking Voltage		VDC	50	100	150	200	300	400	Volts	
Maximum Average Forward Rectified Current at TA = 75 °C		lo	1.0					Amps		
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	30					Amps		
Maximum Instantaneous Forward Voltage at 1.0A DC		VF	0.95 1.25					Volts		
Maximum DC Reverse Current	@Ta = 25°C		IR 5.0)		
at Rated DC Blocking Voltage	@TA = 100°C	IK	100						uAmps	
Maximum Reverse Recovery Time (Note 3)		trr	35					nSec		
Typical Thermaesistance(Note 2)		RθJL	20					°C/W		
Typical Junction Capacitance (Note 1)		CJ	30					pF		
Operating and Storage Temperature Range		T J, TSTG	-65 to + 175						°c	

NOTES: 1. Measured at 1 MHz and applied reverse voltage of 4.0 volts.

2. Thermal Resistance (Junction to Ambient), 0.2x0.2in²(5X5mm²)copper pads to each terminal.

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







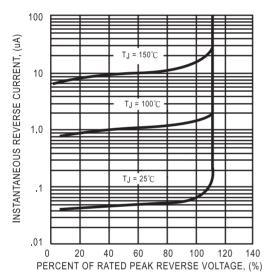


FIG. 5 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

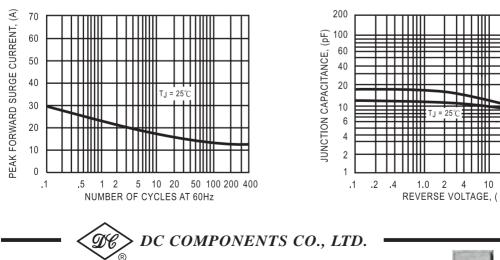
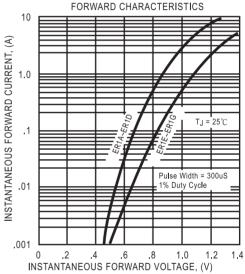
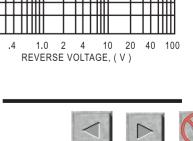


FIG. 4 - TYPICAL INSTANTANEOUS







NEXT

EXIT

BACK