DC COMPONENTS CO., LTD.

RECTIFIER SPECIALISTS

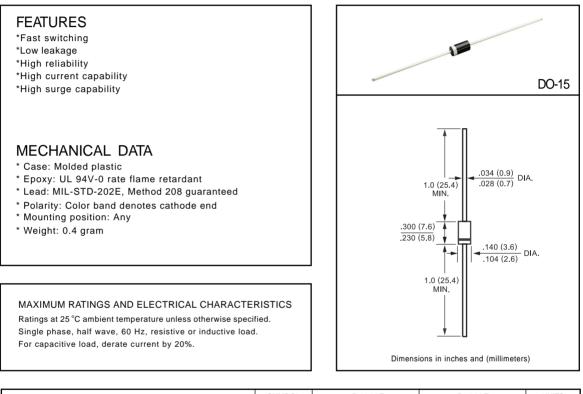
R4000F THRU R5000F

TECHNICAL SPECIFICATIONS OF HIGH VOLTAGE FAST RECOVERY RECTIFIER

VOLTAGE RANGE0 - 4000 to 5000 Volts

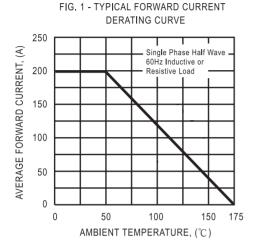
R

CURRENT - 0.2 Ampere



	SYMBOL	R4000F	R5000F	UNITS
Maximum Recurrent Peak Reverse Voltage	Vrrm	4000	5000	Volts
Maximum RMS Volts	Vrms	2800	3500	Volts
Maximum DC Blocking Voltage	VDC	4000	5000	Volts
Maximum Average Forward Rectified Current at TA = 50°C	lo	200		mAmps
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 0.2A DC	VF	6.5		Volts
Maximum DC Reverse Current at Rated DC Blocking Voltage TA = 25°C	lR	5.0		uAmps
Maximum Full Load Reverse Current Average, Full Cycle .375*(9.5mm) lead length at T L = 55°C		100		uAmps
Maximum Reverse Recovery Time (Note)	trr	500		nSec
Operating and Storage Temperature Range	TJ, TSTG	-65 to + 175		°C

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



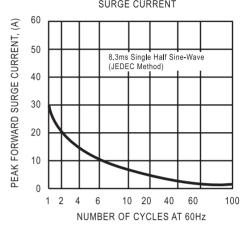


FIG. 2 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

FIG. 3 - TEST CIRCUIT DIAGRAM AND REVERSE RECOVERY TIME CHARACTERISTIC

