

• Current Capacity Comparable to Chassis Mounted Rectifiers

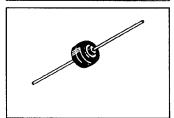
- · Very High Surge Capacity
- Insulated Case

Mechanical Characteristics:

- · Case: Epoxy, Molded
- Weight: 2.5 grams (approximately)
- Finish: All External Surfaces Corrosion Resistant and Terminal Lead is Readily Solderable
- Lead Temperature for Soldering Purposes: 260°C Max. for 10 Seconds
- · Polarity: Cathode Polarity Band

MR750 MR751 MR752 MR754 MR756 MR758 MR760

HIGH CURRENT LEAD MOUNTED SILICON RECTIFIERS 50–1000 VOLTS DIFFUSED JUNCTION



MAXIMUM RATINGS

MAXIMOM HATINGS											
Characteristic	Symbol	MR750	MR751	MR752	MR754	MR756	MR758	MR760	Unit		
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _R	50	100	200	400	600	800	1000	Volts		
Non-Repetitive Peak Reverse Voltage (Halfwave, sIngle phase, 60 Hz peak)	V _{RSM}	60	120	240	480	720	960	1200	Volts		
RMS Reverse Voltage	VR(RMS)	35	70	140	280	420	560	700	Volts		
Average Rectified Forward Current (Single phase, resistive load, 60 Hz) See Figures 5 and 6	10	22 (T _L = 60°C, 1/8 Lead Lengths) 6.0 (T _A = 60°C, P.C. Board mounting)							Amps		
Non-Repetitive Peak Surge Current (Surge applied at rated load conditions)	¹ FSM	400 (for 1 cycle)						Amps			
Operating and Storage Junction Temperature Range	T _J , T _{stg}	-65 to +175						°C			

ELECTRICAL CHARACTERISTICS

Characteristic and Conditions	Symbol	Max	Unit
Maximum Instantaneous Forward Voltage Drop (ip = 100 Amps, T _J = 25°C)	٧F	1.25	Volts
Maximum Forward Voltage Drop (I _F = 6.0 Amps, T _A = 25°C, 3/8 leads)	V _F	0.90	Volts
Maximum Reverse Current $T_J = 25^{\circ}C$ (Rated dc Voltage) $T_J = 100^{\circ}C$	^I R	25 1.0	μA mA

MR750 MR751 MR752 MR754 MR756 MR758 MR760

PACKAGE DIMENSIONS

