



SOLID STATE INC.

46 FARRAND STREET
BLOOMFIELD, NEW JERSEY 07003

www.solidstateinc.com

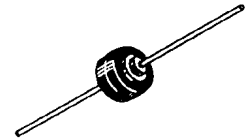
**MR750
MR751
MR752
MR754
MR756
MR758
MR760**

- 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

**HIGH CURRENT
LEAD MOUNTED
SILICON RECTIFIERS
50-1000 VOLTS
DIFFUSED JUNCTION**



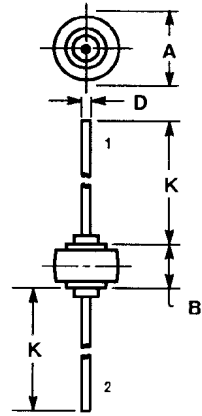
MAXIMUM RATINGS

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	$V_R(RMS)$	35	70	140	280	420	560	700	Volts
Average Rectified Forward Current (Single phase, resistive load, 60 Hz) See Figures 5 and 6	I_O	← 22 ($T_L = 60^\circ C$, 1/8 Lead Lengths) → 6.0 ($T_A = 60^\circ C$, P.C. Board mounting)							Amps
Non-Repetitive Peak Surge Current (Surge applied at rated load conditions)	I_{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 ($I_F = 100$ Amps, $T_J = 25^\circ C$)	V_F	1.25	Volts
Maximum Forward Voltage Drop ($I_F = 6.0$ Amps, $T_A = 25^\circ C$, 3/8 leads)	V_F	0.90	Volts
Maximum Reverse Current (Rated dc Voltage)	I_R	25 1.0	μA mA

MR750 MR751 MR752 MR754 MR756 MR758 MR760
PACKAGE DIMENSIONS



NOTES:
 1. CATHODE SYMBOL ON PACKAGE.

DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	8.43	8.89	0.332	0.342
B	6.94	6.25	0.234	0.246
D	1.27	1.35	0.050	0.053
E	25.15	25.65	0.990	1.010

STYLE 1:
 PIN 1. CATHODE
 2. ANODE