

**ELECTRONIC DEVICES, INC.**

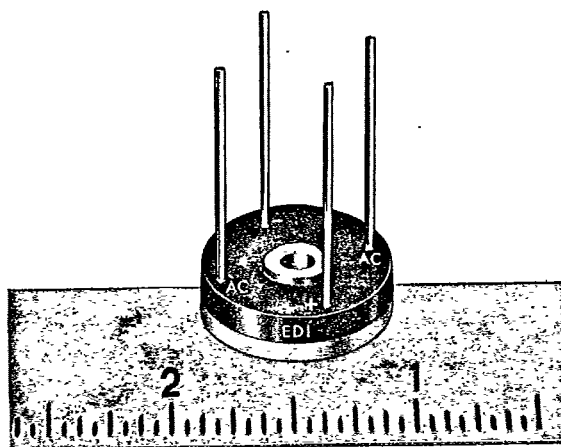
AN AMERICAN ELECTRONIC COMPONENTS COMPANY  
 21 GRAY OAKS AVENUE • YONKERS, NEW YORK 10710  
 914-965-4400 • FAX 914-965-5531 • TELEX 681-8047



**SERIES  
PM**

**6 AMPERES  
MINIBRIDGE®**

**SINGLE-PHASE FULL-WAVE BRIDGES  
CHASSIS AND HEAT SINK MOUNTING**



This mark indicates recognition under the component program of Underwriters Laboratories, Inc.

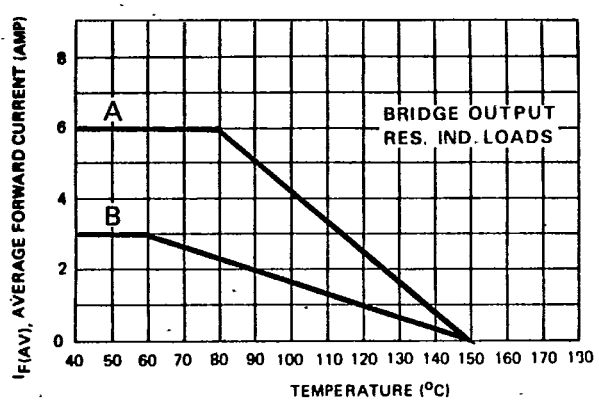
**PM SERIES**

PRV/leg	50V	100V	200V	400V	600V	800V
EDI TYPE	PM05	PM10	PM20	PM40	PM60	PM80

**ELECTRICAL CHARACTERISTICS PER LEG**  
 (at T<sub>A</sub> = 25°C Unless Otherwise Specified)

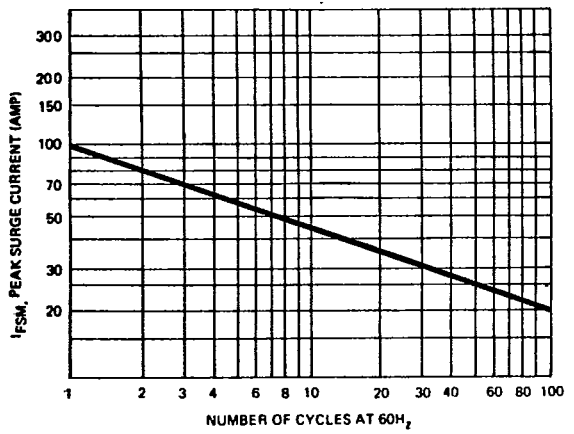
Max. Forward Voltage Drop, V <sub>F</sub> = 1.2V @ I <sub>F</sub> =	2.0	Amp
Max. DC Reverse Current @ PRV and 25°C, I <sub>R</sub>	3	μA
Max. DC Reverse Current @ PRV and 100°C, I <sub>R</sub>	75	μA
Max. Peak Surge Current, I <sub>FSM</sub> (8.3 ms)	100	Amp
Forward Current Repetitive Peak, I <sub>FRM</sub>	15	Amp
Storage Temperature Range, T <sub>stg</sub>	-55 to +150	°C
Thermal Resistance (Total Bridge), R <sub>θJ C</sub>	5.2 typ.	°C/W

### Figure 1 PM SERIES CURRENT DERATING

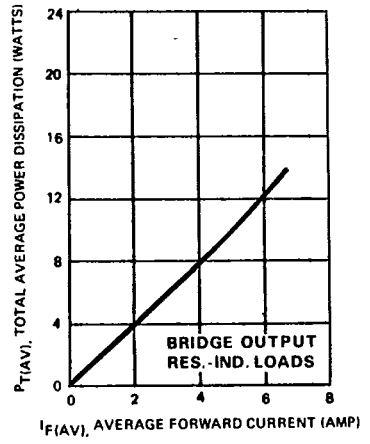


A = CASE TEMPERATURE, HEAT SINK MOUNTED  
B = AMBIENT TEMPERATURE

### Figure 2 NON-REPETITIVE SURGE CURRENT

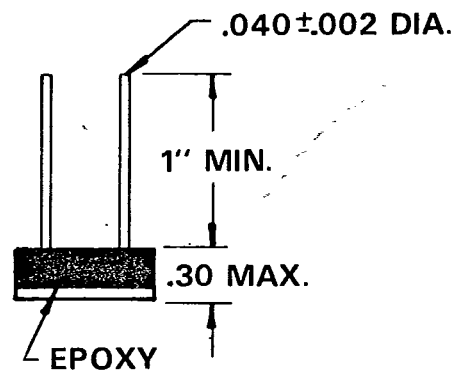
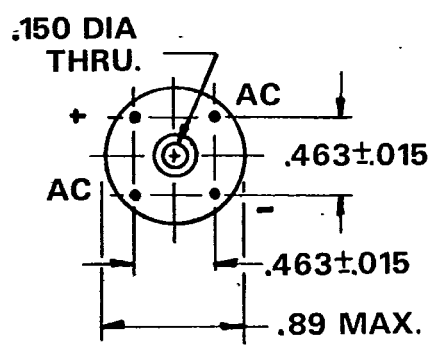


### Figure 3 POWER DISSIPATION



### PM SERIES MECH. OUTLINE

Dielectric test voltage 1500 volts rms, max. 50-60Hz.



- NOTES:**
1. A thin film of silicone thermal compound is recommended between the Minibridge<sup>®</sup> case and mounting surface for improved thermal conduction.
  2. Fast-on terminals available. Consult factory.

