SERIES PS

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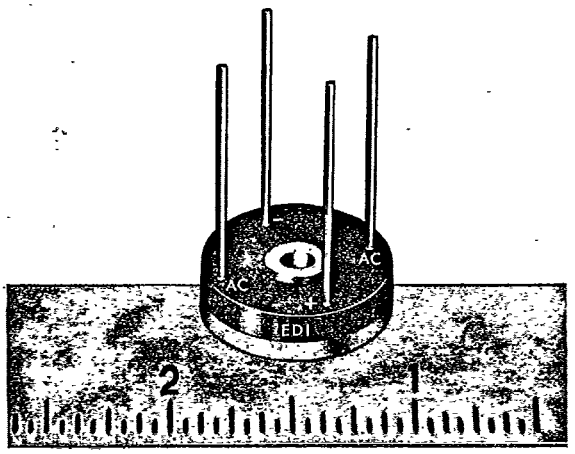
# MINIBRIDGE®

# 6 AMPERES

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




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

## PS SERIES

| PRV/leg | 50V | 100V | 200V | 400V | 600V | 800V |
|---|---|---|---|---|---|---|
| EDI TYPE | PS05 | PS10 | PS20 | PS40 | PS60 | PS80 |

ELECTRICAL CHARACTERISTICS PER LEG
(at $T_A$ = 25°C Unless Otherwise Specified)

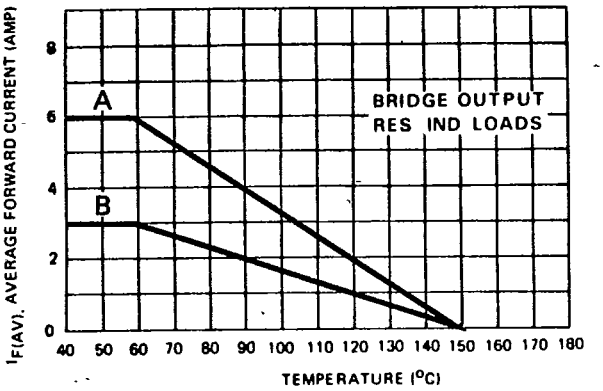
| | | |
|---|---|---|
| Max. Forward Voltage Drop, $V_F$ = 1.1V @ $I_F$ = | 1.0 | Amp |
| Max. DC Reverse Current @ PRV and 25°C, $I_R$ | 2 | μA |
| Max. DC Reverse Current @ PRV and 100°C, $I_R$ | 75 | μA |
| Max. Peak Surge Current, $I_{FSM}$ (8.3 ms) | 60 | Amp |
| Forward Current Repetitive Peak, $I_{FRM}$ | 12 | Amp |
| Storage Temperature Range, $T_{stg}$ | -55 to +150 | °C |
| Thermal Resistance(Total Bridge), $R_{\theta JC}$ | 5.2 typ. | °C/W |

EDI reserves the right to change these specifications at any time without notice.

— SI 2037 B

## Figure 1

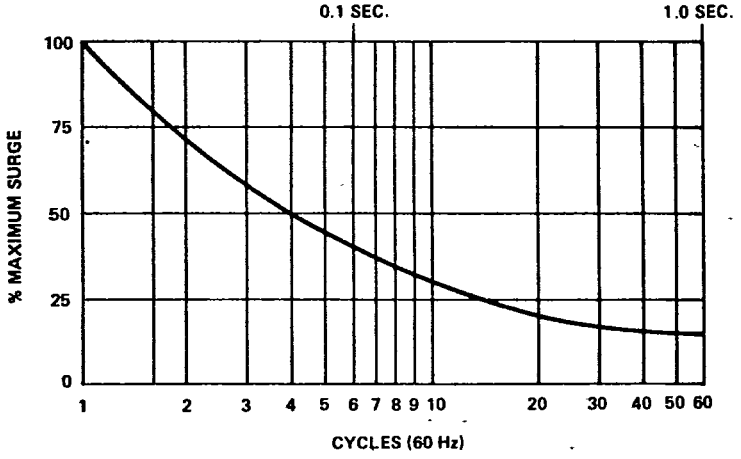
## PS SERIES CURRENT DERATING




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

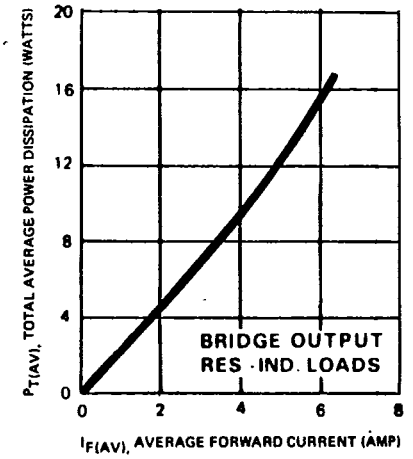
## Figure 2

## NON-REPETITIVE SURGE CURRENT



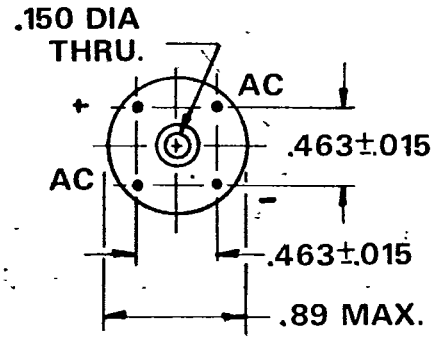

## Figure 3

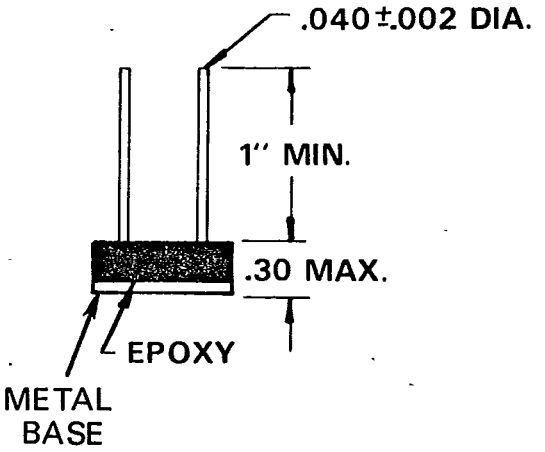
## POWER DISSIPATION




## PS SERIES MECH. OUTLINE

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




**NOTE:** 1. A thin film of silicone thermal compound is recommended between the Minibridge ® case and mounting surface for improved thermal conduction.