PK

# MINIBRIDGE®
# 10 AMPERES
## SINGLE-PHASE FULL-WAVE BRIDGES
## HEAT SINK AND CHASSIS MOUNTING



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

## PK SERIES

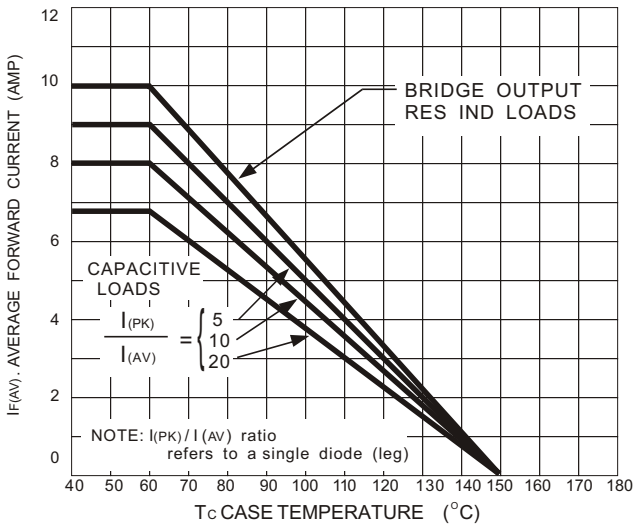
| PRV/Leg | 50V | 100V | 200V | 400V | 600V | 800V | 1000V |
|---|---|---|---|---|---|---|---|
| Type No. | PK05 | PK 10 | PK 20 | PK 40 | PK 60 | PK 80 | PK 100 |

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

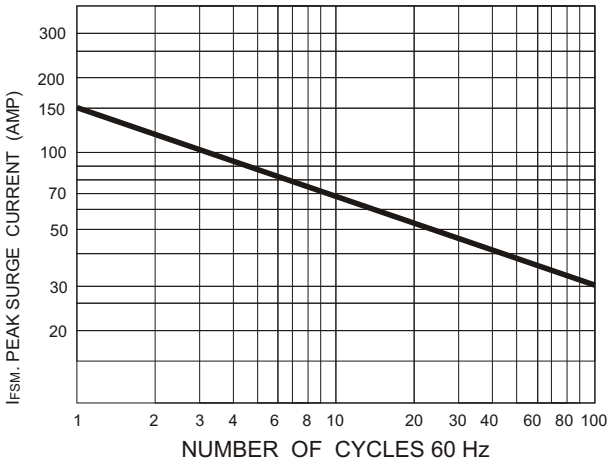
| | | |
|---|---|---|
| Max. Forward Voltage Drop, $V_F$ =1.0 V @ $I_F$ = | 2.0 | Amps |
| Max. DC Reverse Current @ PRV and 25°C, $I_R$ | 3 | μA |
| Max. DC Reverse Current @ PRV and 100°C, $I_R$ | 75 | μA |
| Max. Peak Surge Current, $I_{FSM}$ (8.3ms) | 150 | Amp |
| Storage Temperature Range, $T_{STG}$ | -55 to +150 | °C |
| Thermal Resistance (Total Bridge), $R\theta_{j-c}$ | 5.1typ. | °C/ W |

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

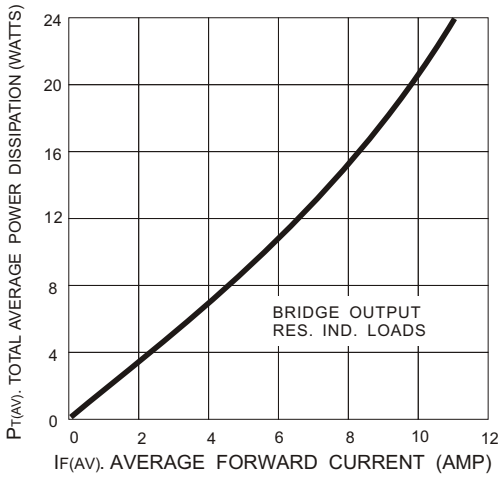
## Figure 1
## PK SERIES CURRENT DERATING




## Figure 2
## NON-REPETITIVE SURGE CURRENT

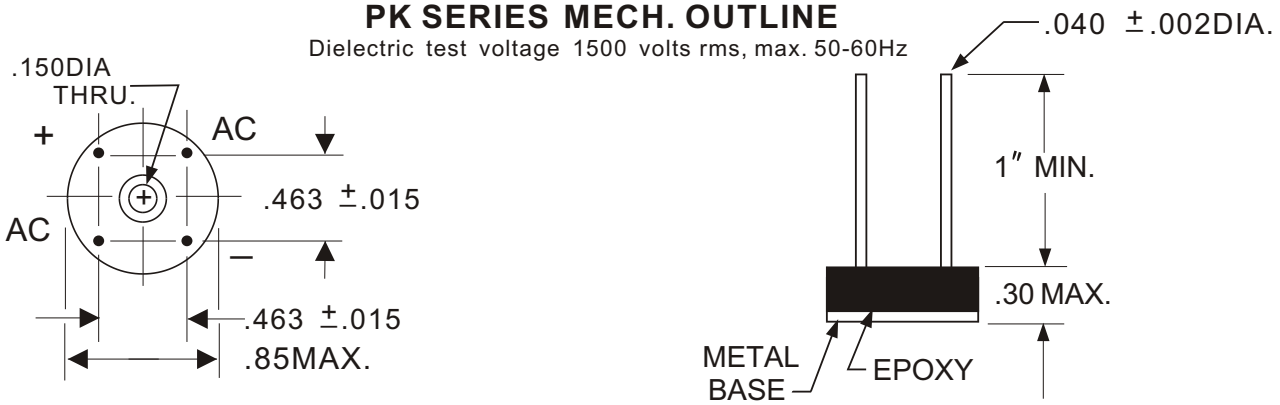



## Figure 3
## POWER DISSIPATION




## PK SERIES MECH. OUTLINE

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




NOTE: 1. A thin film of silicone thermal compound is recommended between the Minibridge® case and mounting surface for improved thermal conduction.
2. Fast-on terminals available. See PKF Series.

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