



PK

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



PK SERIES

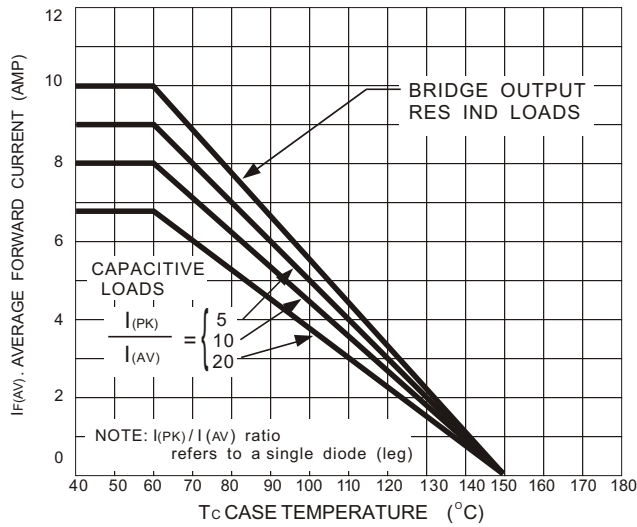
|          |      |       |       |       |       |       |        |
|----------|------|-------|-------|-------|-------|-------|--------|
| PRV/Leg  | 50V  | 100V  | 200V  | 400V  | 600V  | 800V  | 1000V  |
| Type No. | PK05 | PK 10 | PK 20 | PK 40 | PK 60 | PK 80 | PK 100 |

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

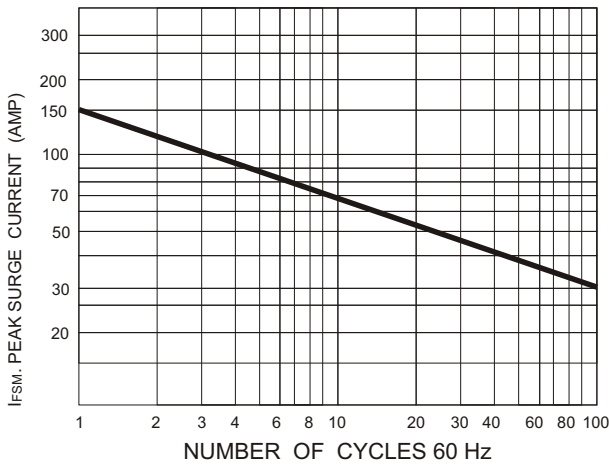
|   |             |      |
|---|-------------|------|
| Max. Forward Voltage Drop, V <sub>F</sub> =1.0 V @ I <sub>F</sub> = | 2.0         | Amps |
| Max. DC Reverse Current @ PRV and 25 °C, I <sub>R</sub>             | 3           | μA   |
| Max. DC Reverse Current @ PRV and 100 °C, I <sub>R</sub>            | 75          | μA   |
| Max. Peak Surge Current, I <sub>FSM</sub> (8.3ms)                   | 150         | Amp  |
| Storage Temperature Range, T <sub>STG</sub>                         | -55 to +150 | °C   |
| Thermal Resistance (Total Bridge), R <sub>θj-c</sub>                | 5.1 typ.    | °C/W |

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

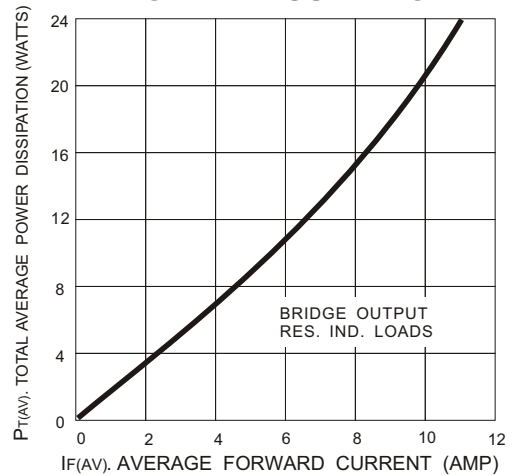
**Figure 1  
PK SERIES CURRENT DERATING**



**Figure 2  
NON-REPETITIVE SURGE CURRENT**

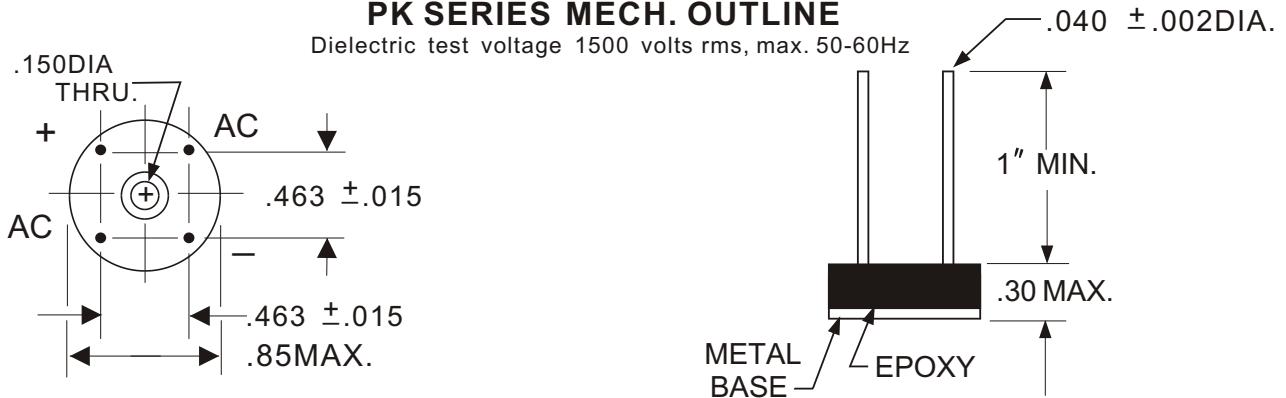


**Figure 3  
POWER DISSIPATION**



**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.

**ELECTRONIC DEVICES, INC.** DESIGNERS AND MANUFACTURERS OF SOLID STATE DEVICES SINCE 1951.

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