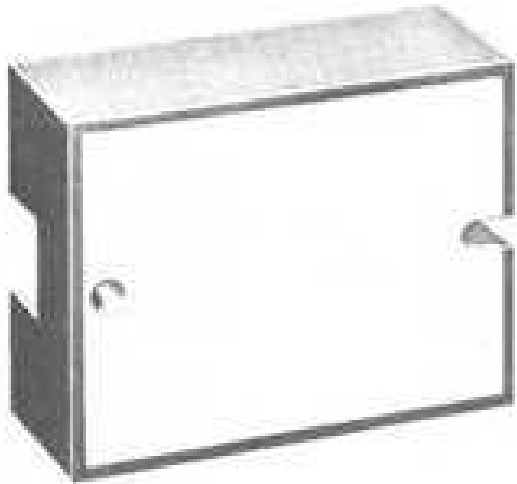





PO

75, 100 and 120 Ampere Bridges
 Provides 0.40 °C/W Junction-to-Case, Thermal Resistance



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

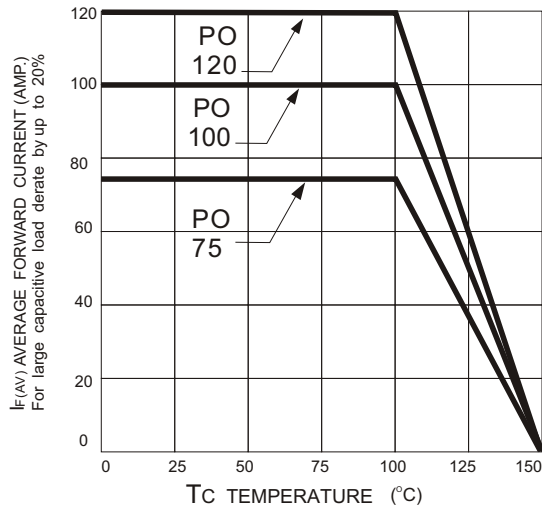
| | | | | | | | | |
|-------------|----------|----------|----------|----------|----------|----------|----------|----------|
| PRV/LEG | 100 | 200 | 400 | 600 | 800 | 1000 | 1200 | 1400 |
| TYPE NUMBER | PO120-01 | PO120-02 | PO120-04 | PO120-06 | PO120-08 | PO120-10 | PO120-12 | PO120-14 |
| TYPE NUMBER | PO100-01 | PO100-02 | PO100-04 | PO100-06 | PO100-08 | PO100-10 | PO100-12 | PO100-14 |
| TYPE NUMBER | PO75-01 | PO75-02 | PO75-04 | PO75-06 | PO75-08 | PO75-10 | PO75-12 | PO75-14 |

ELECTRICAL CHARACTERISTICS

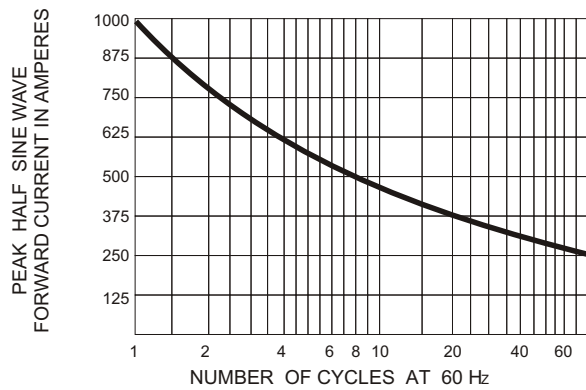
| Series Type Number | PO 75 | PO 100 | PO 120 | UNIT |
|---|---------------|-----------|-----------|---------------------|
| Max. Repetitive Peak Reverse Voltage | 100 to 1400 | | | Volts |
| Max. DC Output Current. Tc=80°C | 75 | 100 | 120 | Adc |
| Max. DC Reverse Current @ PRV and 125 °C, I _R | 5 | 5 | 5 | mA. |
| Max. Peak Non-Rep. Surge Current, 8.3ms | 1000 | 1000 | 1000 | Apk |
| Max. I ² t for Fusing (t < 8.3ms) | 4000 | 4000 | 4000 | A ² SEC. |
| Max. Instantaneous Forward Voltage @ I _F =100Apk Pulse Width=300µs. Duty cycle<2.0% | 1.3 | 1.3 | 1.3 | Vpk |
| Max. Isolation Voltage | 2000 | 2000 | 2000 | VRMS |
| Thermal Resistance R _{θjc} Junction To Case | 0.40 typ. | 0.40 typ. | 0.40 typ. | °C/W |
| Operating Temperature Range, | -55 to+150 °C | | | |

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

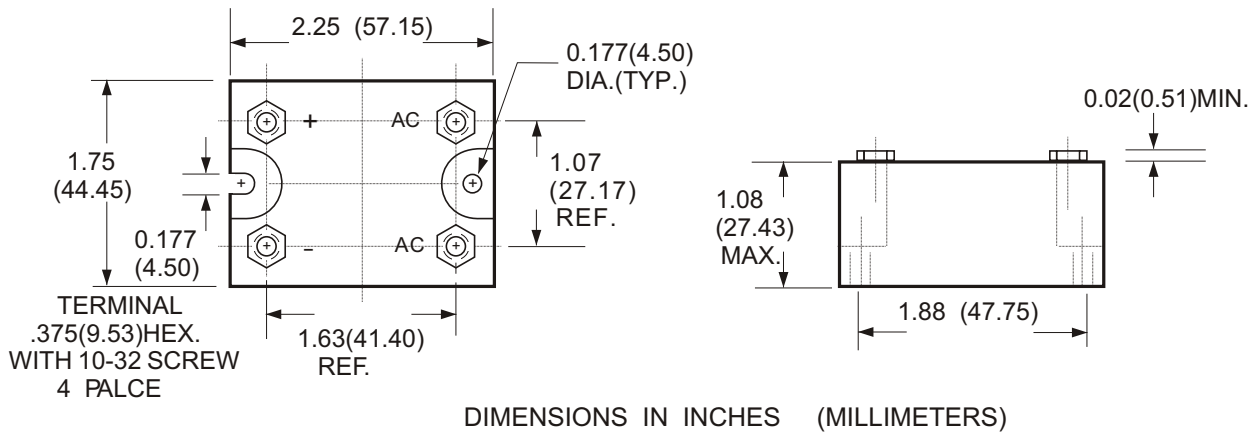
**Figure 1
CURRENT DERATING**



**Figure 2
NON-REPETITIVE SURGE CURRENT**



PO SERIES MECHANICAL OUTLINE



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

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

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