



DY-F PY-F

MINIBRIDGE[®]
12 AMPERES HIGH SURGE
TAB TERMINALS SINGLE-PHASE FULL-WAVE BRIDGES
HEAT SINK AND CHASSIS MOUNTING



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

| | | | | | | | |
|----------|-------|--------|--------|--------|--------|--------|--------|
| PRV/Leg | 50V | 100V | 200V | 400V | 600V | 800V | 1000V |
| Type No. | PY05F | PY 10F | PY 20F | PY 40F | PY 60F | PY 80F | PY100F |
| Type No. | DY05F | DY 10F | DY 20F | DY 40F | DY 60F | DY 80F | DY100F |

| ELECTRICAL CHARACTERISTICS PER LEG (at T _A =25 °C Unless Otherwise Specified) | PY-F | DY-F | |
|---------------------------------------------------------------------------------------------|-------------|-------------|------|
| Max. Forward Voltage Drop V _F = 1.0 V @ I _F = | 12 | 12 | Amp |
| Max. DC Reverse Current @ PRV and 25°C, I _R | 10 | 10 | µA |
| Max. DC Reverse Current @ PRV and 100 °C, I _R | 100 | 100 | µA |
| Max. Peak Surge Current, I _{FSM} (8.3ms) | 300 | 400 | Amp |
| Thermal Resistance (Total Bridge), R _{θj-c} | 5.1Typ. | 5.1 | °C/W |
| Storage Temperature Range, T _{STG} | -55 to +150 | -55 to +150 | °C |

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

Figure 1
CURRENT DERATING

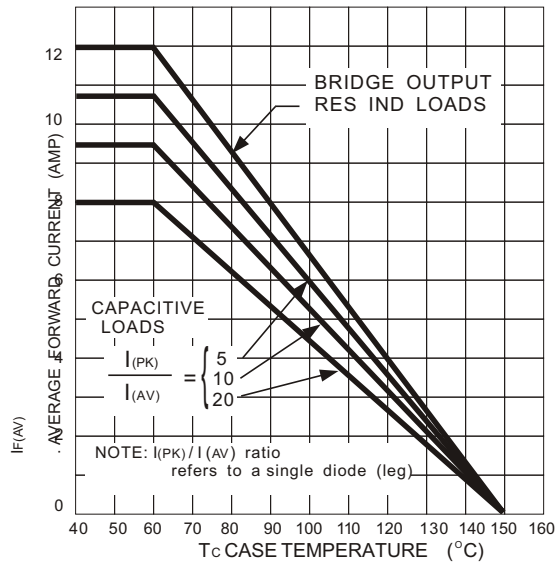


Figure 2

NON-REPETITIVE SURGE CURRENT

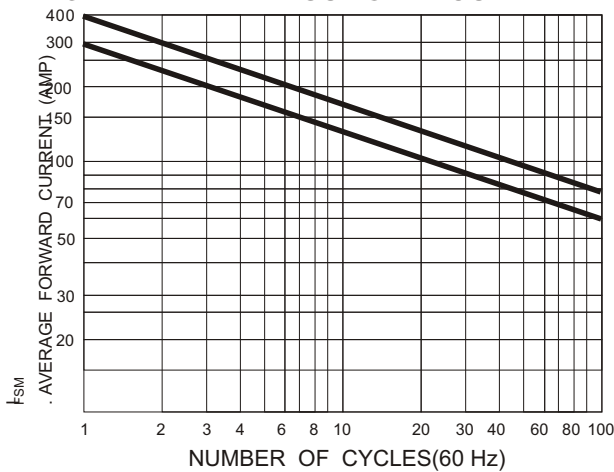
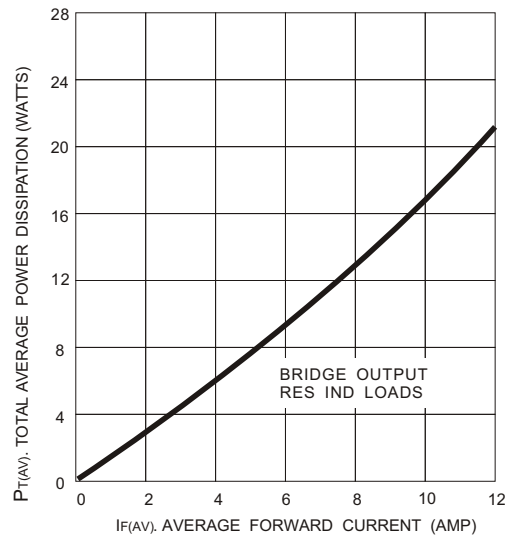


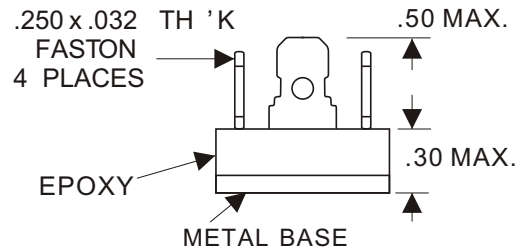
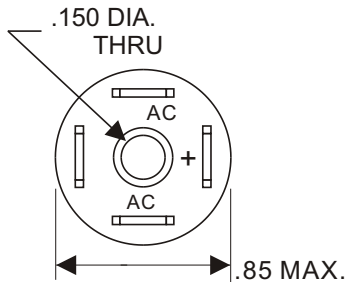
Figure 3

POWER DISSIPATION



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.