



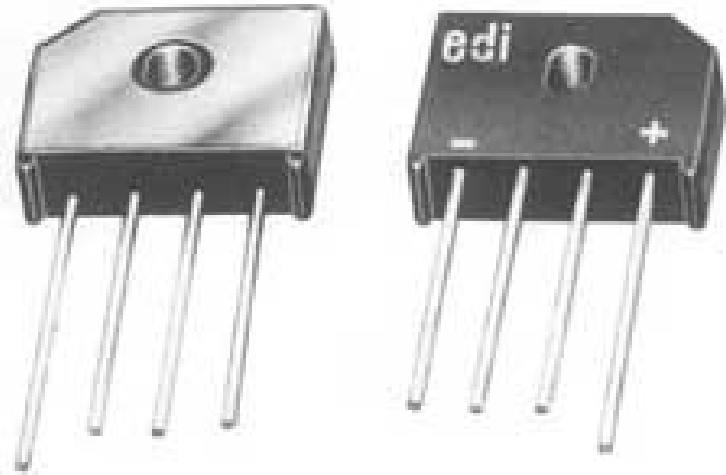
10PH

**SINGLE-PHASE FULL WAVE BRIDGE
10 AMPERES
FOR P.C. BOARD AND HEAT SINK MOUNTING**

INTEGRALLY MOLDED
HEAT SINK
PROVIDES LOW
THERMAL RESISTANCE



SPACE SAVING
IN-LINE DESIGN



This product has recognition under the components program of Underwriters Laboratories, inc.

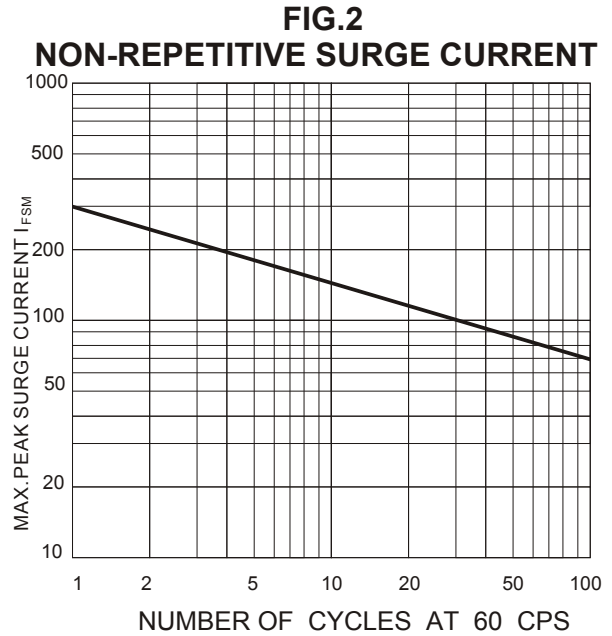
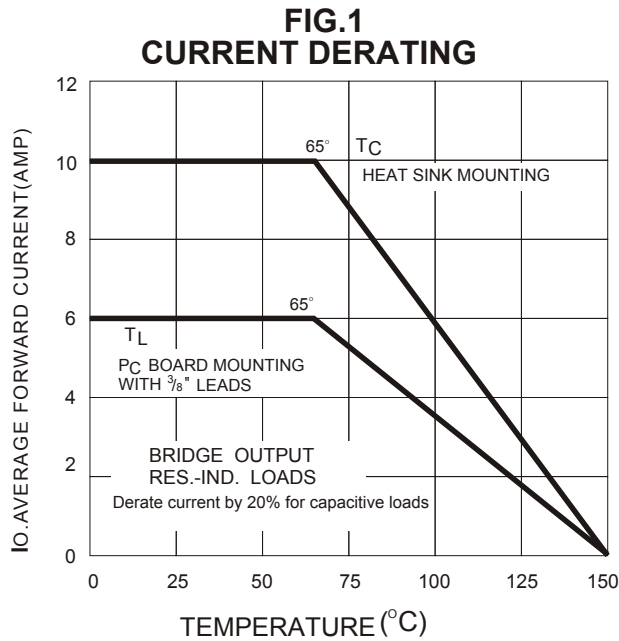
| | | | | | | | |
|----------|--------|--------|--------|--------|--------|--------|---------|
| PRV/Leg | 50V | 100V | 200V | 400V | 600V | 800V | 1000V |
| Type No. | 10PH05 | 10PH10 | 10PH20 | 10PH40 | 10PH60 | 10PH80 | 10PH100 |

ELECTRICAL CHARACTERISTICS PER LEG
(at $T_A=25^\circ\text{C}$ Unless Otherwise Specified)

| | | |
|---|-------------|--------------------|
| Average Output Current, $I_O@65^\circ\text{C } T_C$ (Fig.1) | 10 | Amp |
| Max. Forward Voltage Drop, $V_F=1.0\text{V}$ @ $I_F=$ | 2.5 | Amp |
| Max. DC Reverse Current @ PRV, I_R | 10 | μA |
| Max. DC Reverse Current @ PRV and 100°C , I_R | 300 | μA |
| Max. Peak Surge Current, $I_{FSM}(8.3\text{ms})$ (Fig.2) | 300 | Amp |
| Thermal Resistance, $R_{\theta j-c}$ | 4.5Typ. | $^\circ\text{C/W}$ |
| Ambient Operating Temperature Range, T_A | -55 to +150 | $^\circ\text{C}$ |
| Storage Temperature Range, T_{STG} | -55 to +150 | $^\circ\text{C}$ |

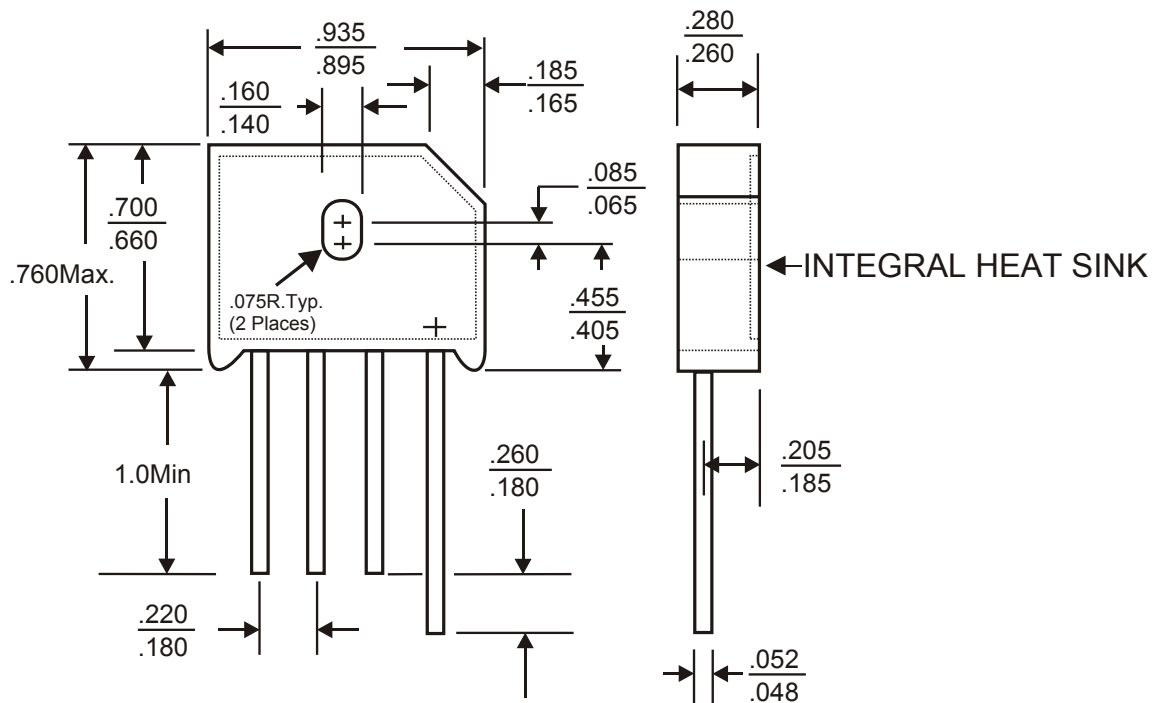
Note 1: Derate I_O by 20% for capacitive loads

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



Dielectric test voltage 2500 volts rms, Max. 50-60Hz

CASE STYLE FOR 10PH



NOTE Maximum lead and terminal temperature for soldering, 3/8 inch from case 5 seconds at 250 °C

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

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