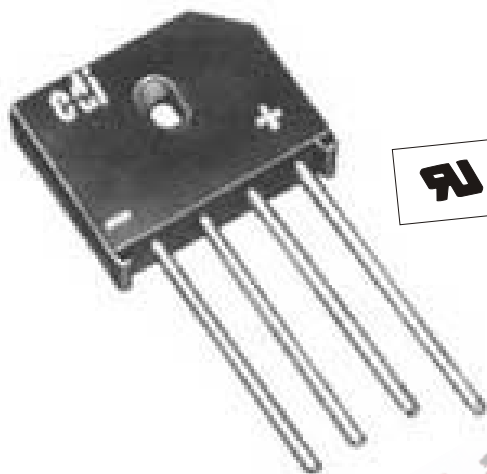




6PH

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



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

| | | | | | | | |
|----------|-------|-------|-------|-------|-------|-------|--------|
| PRV/Leg | 50V | 100V | 200V | 400V | 600V | 800V | 1000V |
| Type No. | 6PH05 | 6PH10 | 6PH20 | 6PH40 | 6PH60 | 6PH80 | 6PH100 |

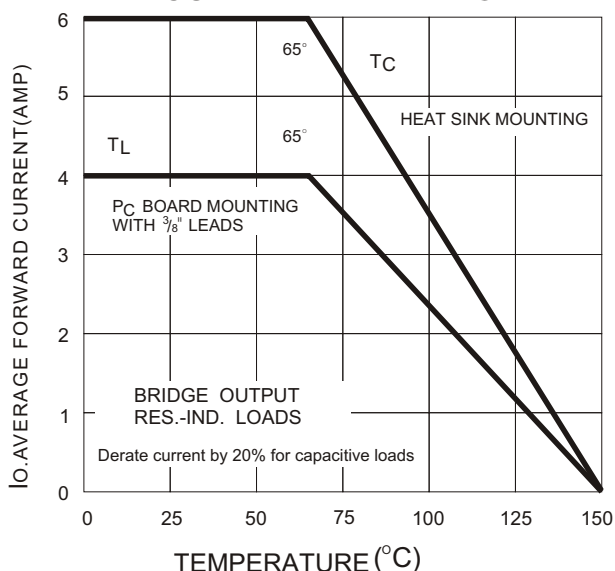
ELECTRICAL CHARACTERISTICS PER LEG
(at $T_A=25^{\circ}\text{C}$ Unless Otherwise Specified)

| | | |
|--|-------------|--------------------|
| Average Output Current, I_o @ 65°C T_c (Fig.1) | 6 | Amp |
| Max.Forward Voitage Drop, $V_F=1.0\text{V}$ @ $I_F =$ | 2.5 | Amp |
| Max.DC Reverse Current @ PRV, and 25°C , I_R | 10 | μA |
| Max.DC Reverse Current, @ PRV and 100°C , I_R | 300 | μA |
| Max.Perk Surge Current, I_{FSM} (8.3ms) (Fig.2) | 250 | Amp |
| Ambient Operating Temperature Range, T_A | -55 to +150 | $^{\circ}\text{C}$ |
| Storage Temperature Range, T_{STG} | -55 to +150 | $^{\circ}\text{C}$ |

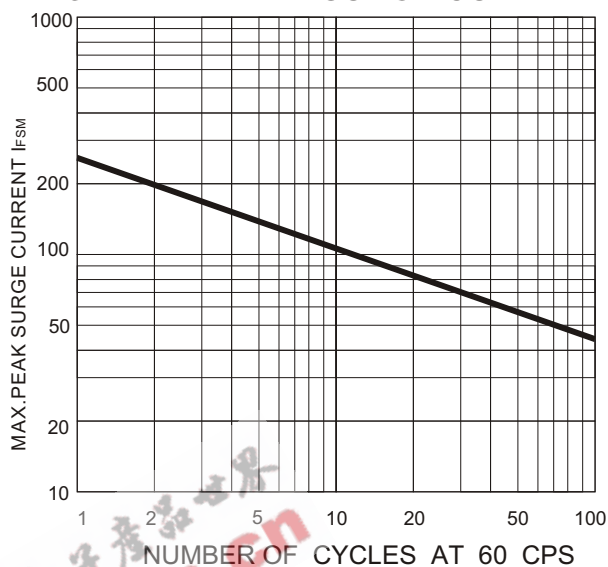
Note 1: Derate I_o by 20% for capacitive loads

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

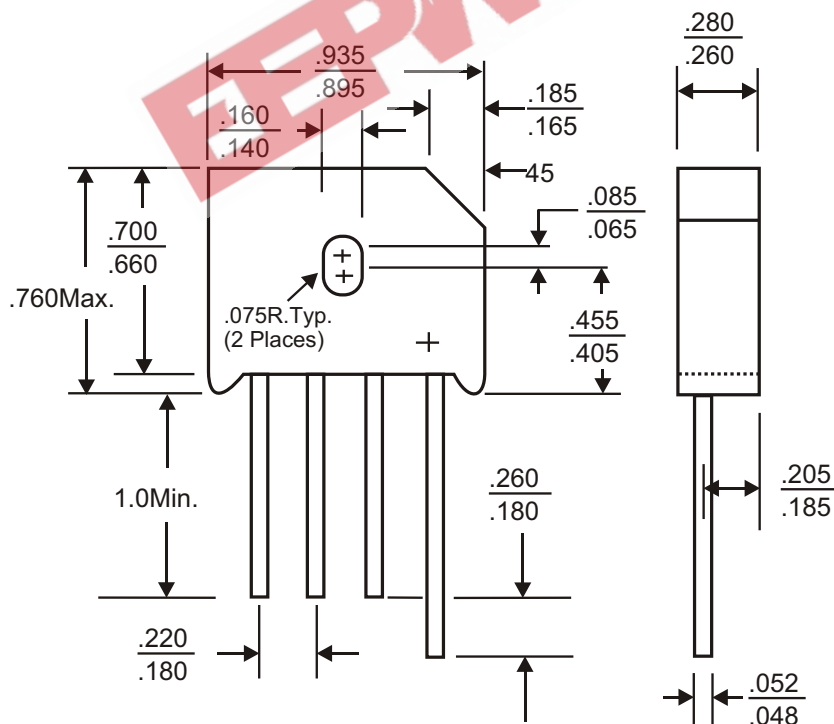
**FIG.1
CURRENT DERATING**



**FIG.2
NON-REPETITIVE SURGE CURRENT**



**FIG.3
CASE STYLE FOR 6PH**



Dielectric test voltage 2,500 V rms., Max. 50-60Hz

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