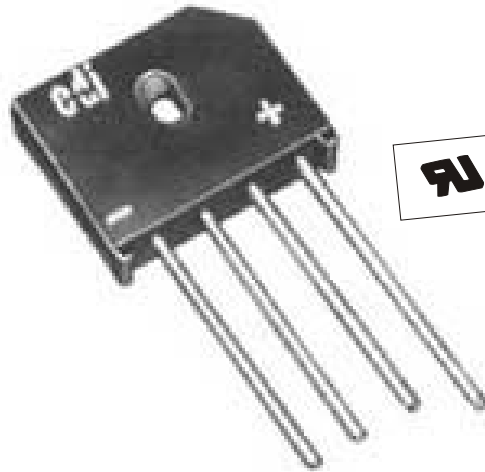




6PH

**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

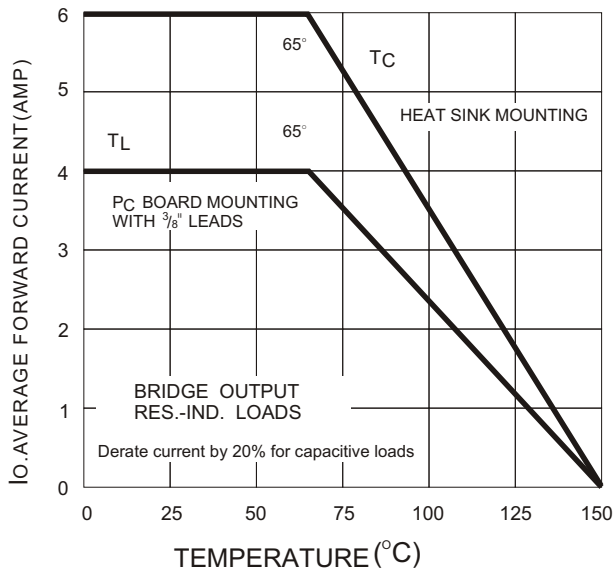
**ELECTRICAL CHARACTERISTICS PER LEG  
(at T<sub>A</sub>=25 °C Unless Otherwise Specified)**

Average Output Current, I <sub>o</sub> @ 65 °C T <sub>c</sub> (Fig.1)	6	Amp
Max.Forward Voitage Drop, V <sub>F</sub> =1.0V @ I <sub>F</sub> =	2.5	Amp
Max.DC Reverse Current @ PRV, and 25°C , I <sub>R</sub>	10	μA
Max.DC Reverse Current, @ PRV and 100°C, I <sub>R</sub>	300	μA
Max.Perk Surge Current, I <sub>FSM</sub> (8.3ms) (Fig.2)	250	Amp
Ambient Operating Temperature Range, T <sub>A</sub>	-55 to +150	°C
Storage Temperature Range, T <sub>STG</sub>	-55 to +150	°C

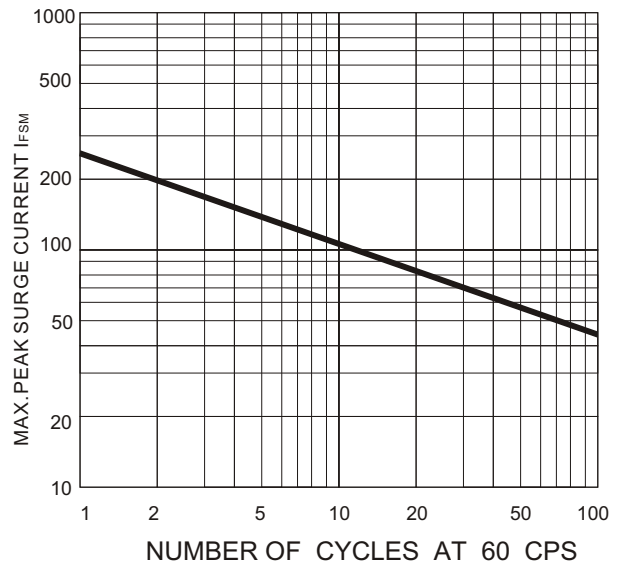
Note 1: Derate I<sub>o</sub> by 20% for capacitive loads

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

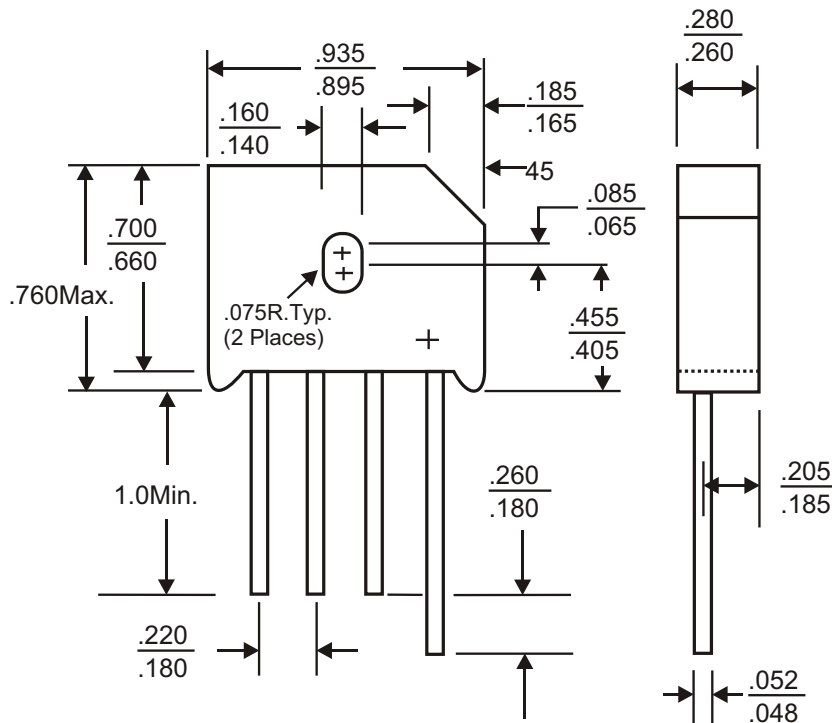
**FIG.1  
CURRENT DERATING**



**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