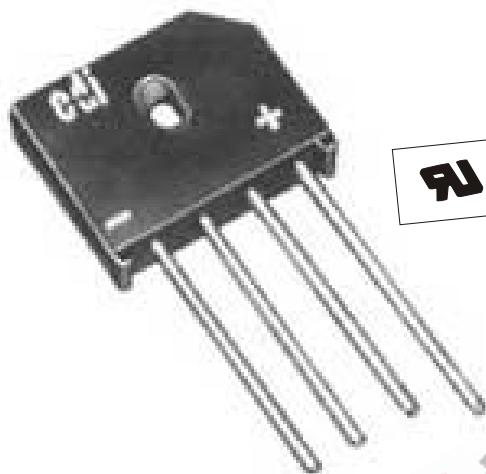





6PH

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

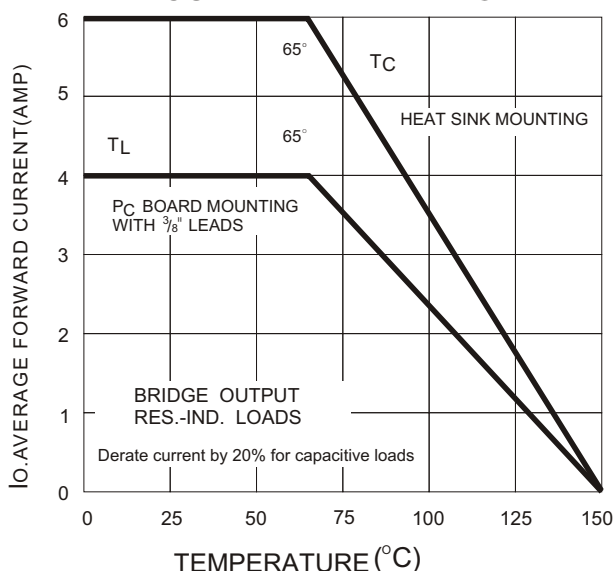
ELECTRICAL CHARACTERISTICS PER LEG
(at $T_A=25^\circ\text{C}$ Unless Otherwise Specified)

Average Output Current, I_o @ $65^\circ\text{C } T_c$ (Fig.1)	6	Amp
Max.Forward Voitage Drop, $V_F=1.0V$ @ $I_F =$	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	$^\circ\text{C}$

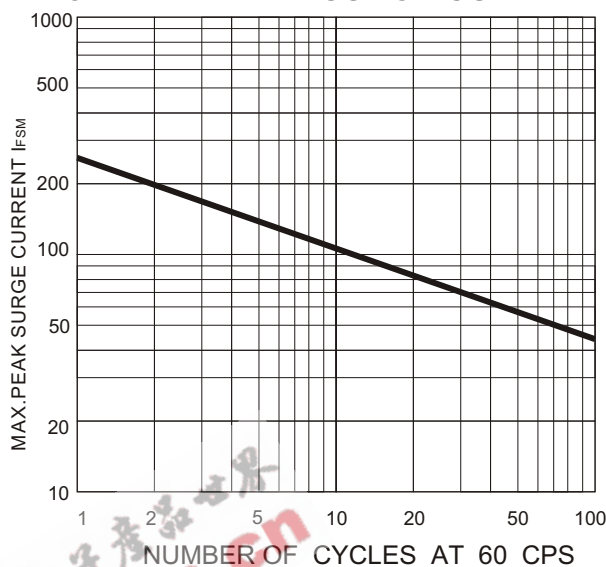
Note 1: Derate I_o by 20% for capacitive loads

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

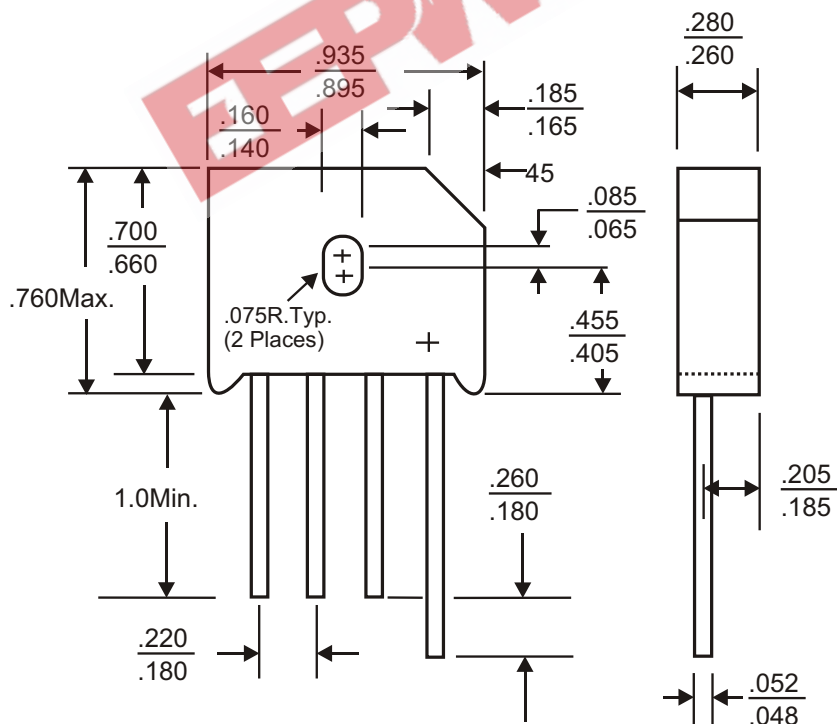
**FIG.1
CURRENT DERATING**



**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