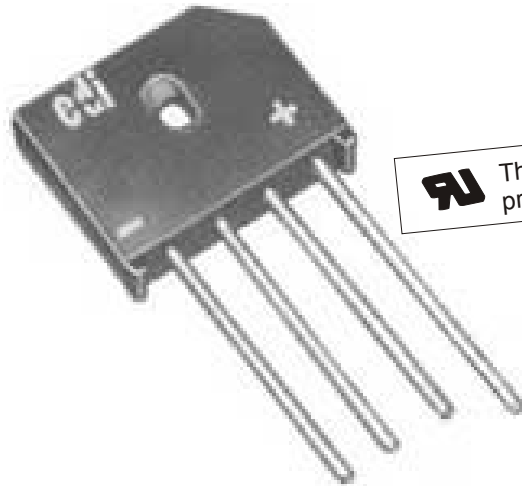




8PH

**SINGLE-PHASE FULL WAVE BRIDGE
8 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.	8PH05	8PH10	8PH20	8PH40	8PH60	8PH80	8PH100

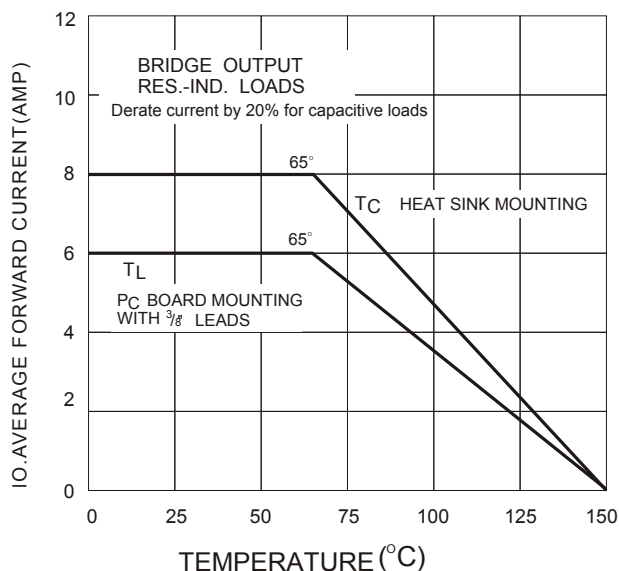
**ELECTRICAL CHARACTERISTICS PER LEG
(at T_A=25 °C Unless Otherwise Specified)**

Average Output Current, I _o @65 °C T _c (Fig.1)	8	Amp
Max. Forward Voltage Drop, V _F =1.0 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} (8.3ms) (Fig.2)	300	Amp
Thermal Resistance ,R _{θj-c}	5.8	°C/ W
Ambient Operating Temperature Range,T _A	-55 to +150	°C
Storage TemperatureRange,T _{STG}	-55 to +150	°C

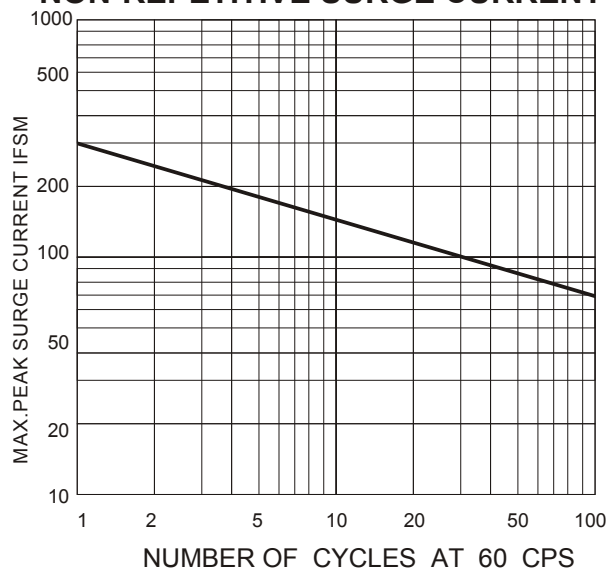
Note 1:Derate I_o by 20% for capacitive loads

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

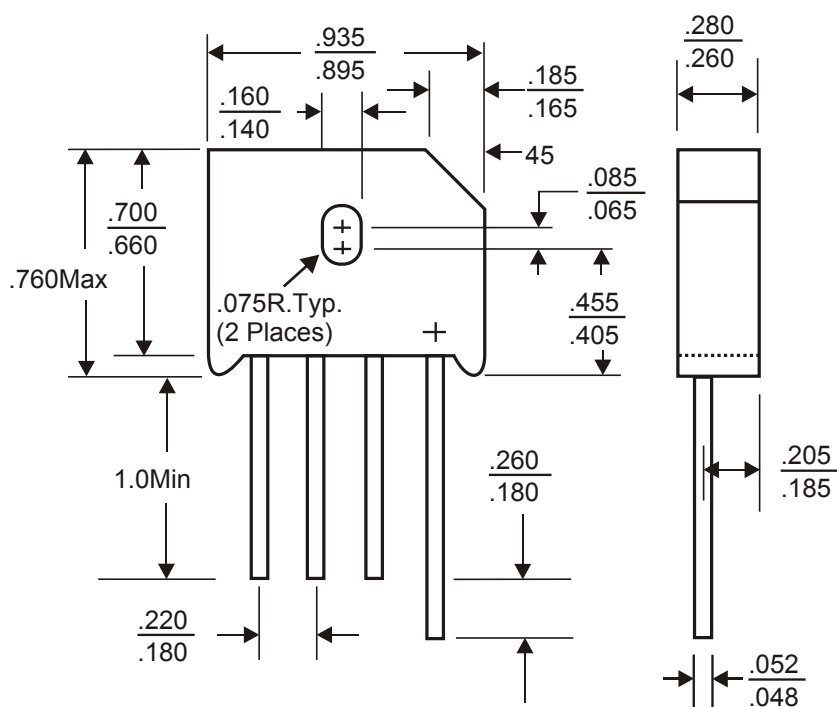
**FIG.1
CURRENT DERATING**



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



**FIG.3
CASE STYLE FOR 8PH**



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.