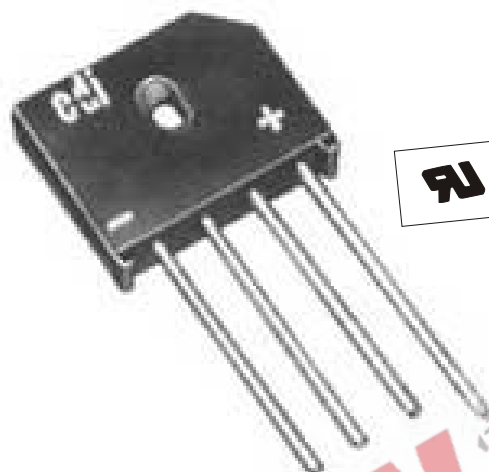




6PHR

FAST RECOVERY
SINGLE-PHASE FULL WAVE BRIDGE
6 AMPERES
FOR P.C. BOARD AND HEAT SINK MOUNTING
200 NANOSECOND FAST RECOVERY



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

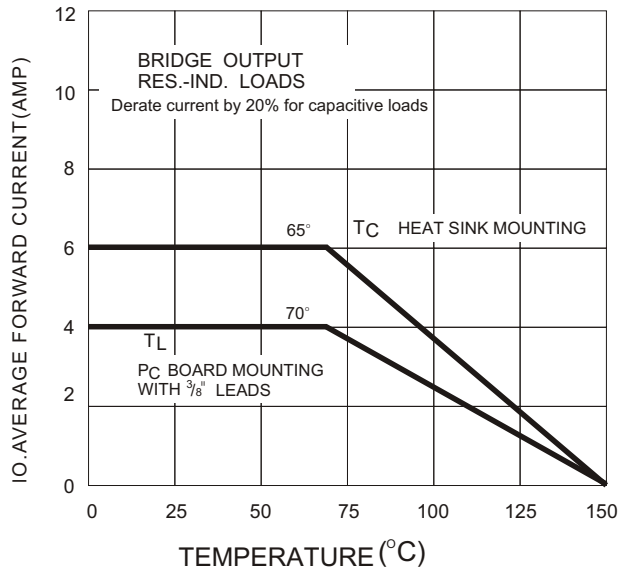
PRV/Leg	50V	100V	200V	400V	600V	800V	1000V
Type No.	6PHR05	6PHR10	6PHR20	6PHR40	6PHR60	6PHR80	6PHR100

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

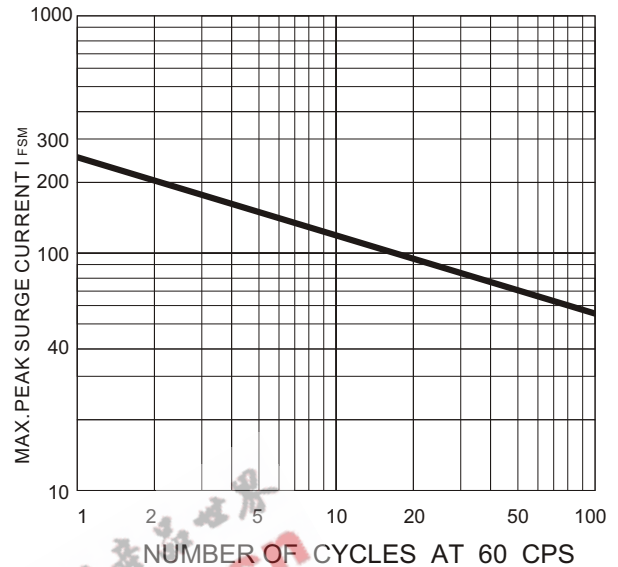
Average Output Current, I_o @ 65°C T_c (Fig.1)	6	Amp
Max.Forward Voltage Drop, $V_F=1.2\text{V}$ @ $I_F =$	2.5	Amp
Max.DC Reverse Current @ PRV and 25°C , I_R	10	μA
Max.DC Reverse Current @ PRV and 100°C , I_R	300	μA
Max.Peak Surge Current, I_{FSM} (8.3ms) (Fig.2)	240	Amp
Max. Reverse Recovery Time, T_{rr} (Fig.3)	200	Nanosec
Ambient Operating Temperature Range, T_A	-55 to +150	$^\circ\text{C}$
Storage Temperature Range, T_{STG}	-55 to +150	$^\circ\text{C}$

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

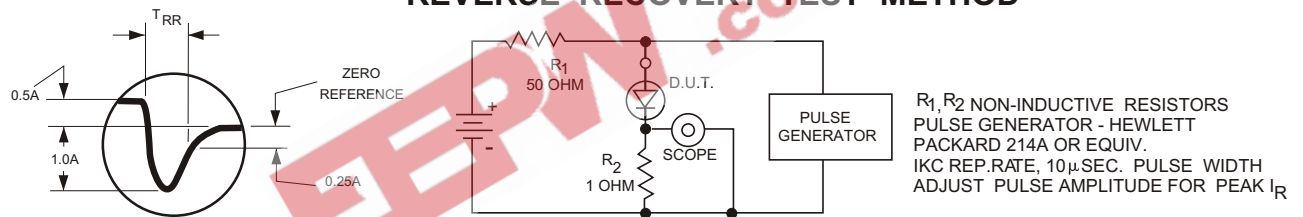
**FIG.1
CURRENT DERATING**



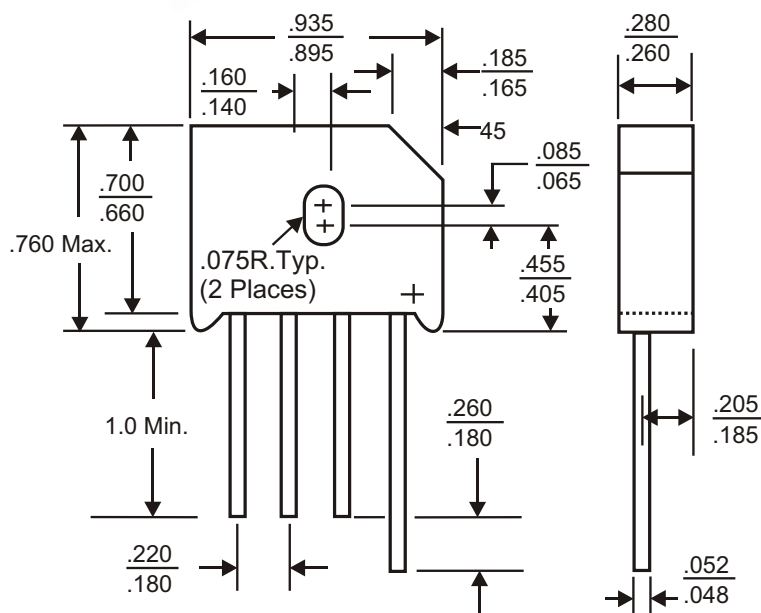
**FIG.2
NON-REPETITIVE SURGE CURRENT**



**FIG.3
REVERSE RECOVERY TEST METHOD**



CASE STYLE FOR 6PHR



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

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

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