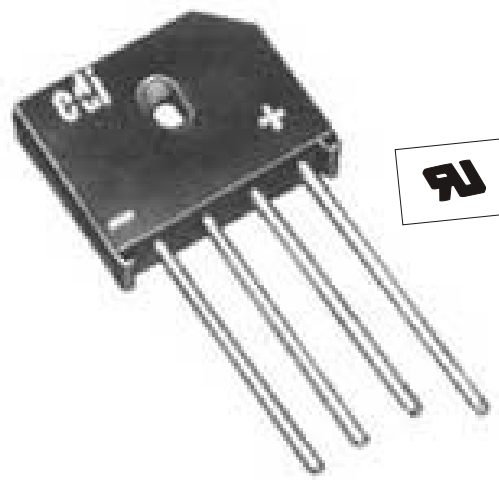
6PHR

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 ℃ Unless Otherwise Specified)

Average Output Current, Io @ 65 ° C Tc (Fig.1)	6	Amp
Max.Forward Voltage Drop, V_F=1.2V @ I_F =	2.5	Amp
Max.DC Reverse Current @ PRV and 25℃, I_R	10	μA
Max.DC Reverse Current @ PRV and 100℃, 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	°C
Storage Temperature Range, T_{STG}	-55 to+150	°C

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

FIG.1
CURRENT DERATING

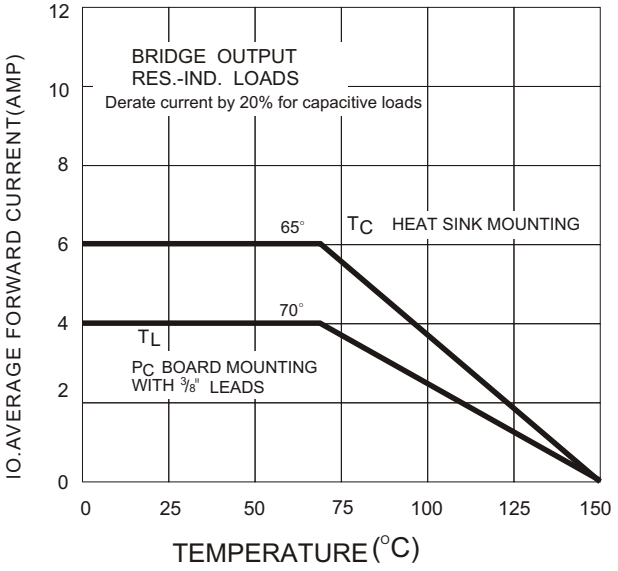


FIG.2
NON-REPETITIVE SURGE CURRENT

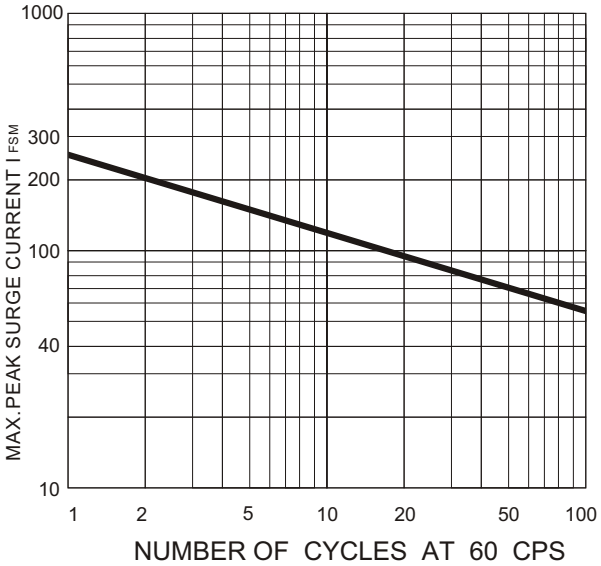
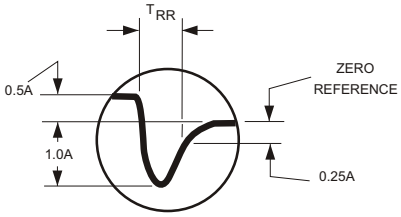
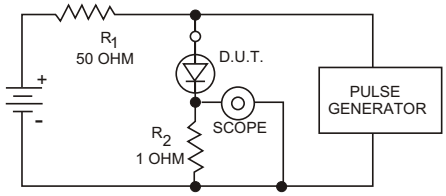


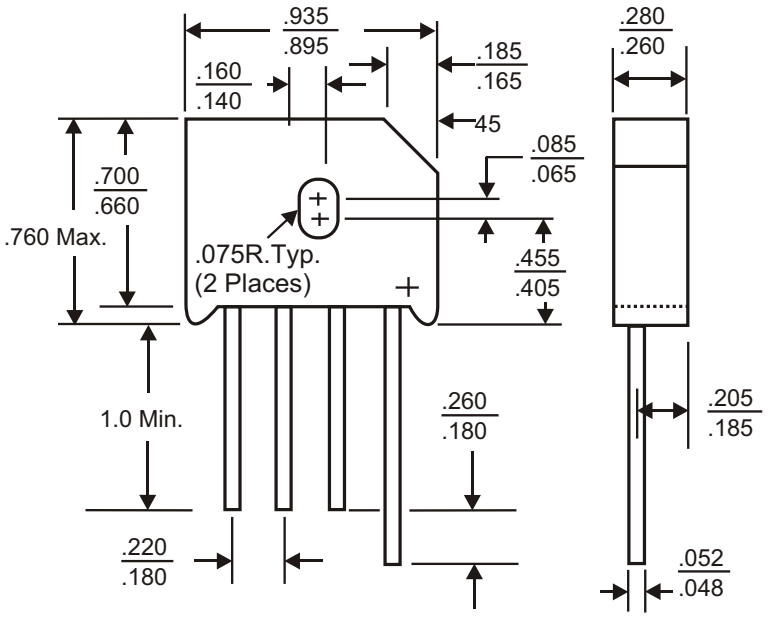
FIG.3
REVERSE RECOVERY TEST METHOD





R_1, R_2 NON-INDUCTIVE RESISTORS
PULSE GENERATOR - HEWLETT PACKARD 214A OR EQUIV.
IKC REP.RATE, 10μSEC. PULSE WIDTH
ADJUST PULSE AMPLITUDE FOR PEAK I_R

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 ℃

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