



PER

FAST RECOVERY
SINGLE-PHASE FULL-WAVE BRIDGE
4.0 AMPERES FOR P.C. BOARD MOUNTING



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

PRV/leg	50V	100V	200V	400V	600V	800V	1000V
Type No.	PER05	PER10	PER20	PER40	PER60	PER80	PER100

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

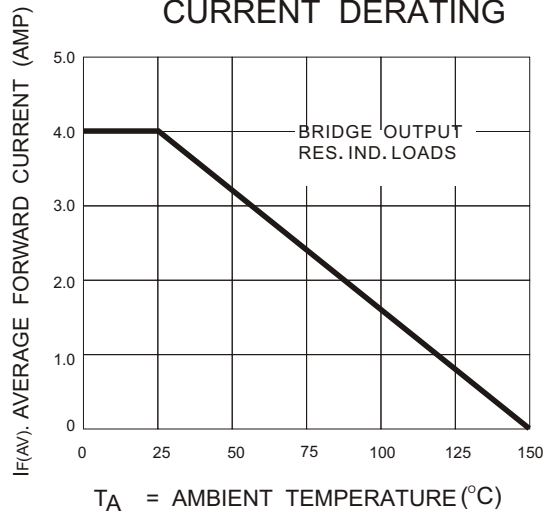
Max. Reverse Recovery, T_{rr} (Fig.3)	200	Nano Sec.
Max. Forward Voltage Drop, $V_F=1.3\text{ V}$ @ $I_F=$	2.0	Amp
Max. DC Reverse Current @ PRV and 25°C , I_R	5	μA
Max. Peak Surge Current, $I_{FSM}(8.3\text{ms})(\text{Fig.2})$	100	Amp
Ambient Operating Temperature Range, T_A	-55 to +150	$^{\circ}\text{C}$
Storage Temperature Range, T_{STG}	-55 to +150	$^{\circ}\text{C}$
Thermal Resistance (Total Bridge), $R_{\theta j-c}$	7.0typ.	$^{\circ}\text{C/W}$

NOTE:

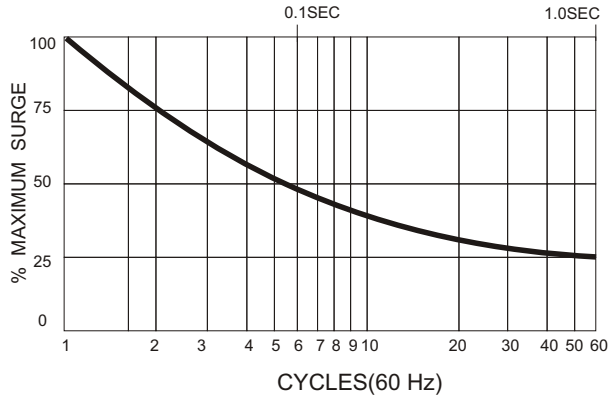
Maximum lead and terminal temperature for soldering, 3/8 inch from case, 5 seconds at 250°C .

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

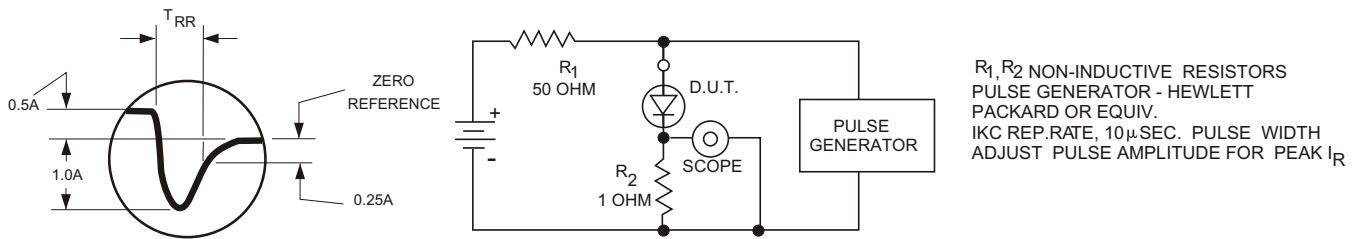
**FIG.1
CURRENT DERATING**



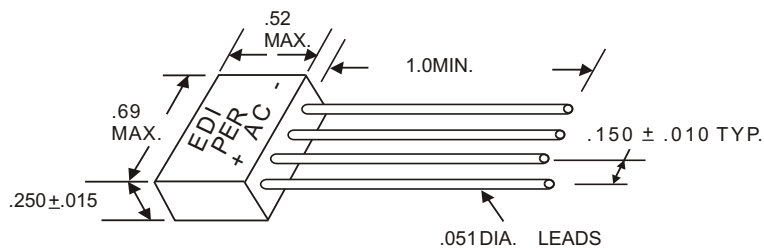
**FIG.2
NON-REPETITIVE SURGE CURRENT**



**FIG.3
TEST CIRCUIT**



CASE STYLE FOR PER



All dimensions in inches

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

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