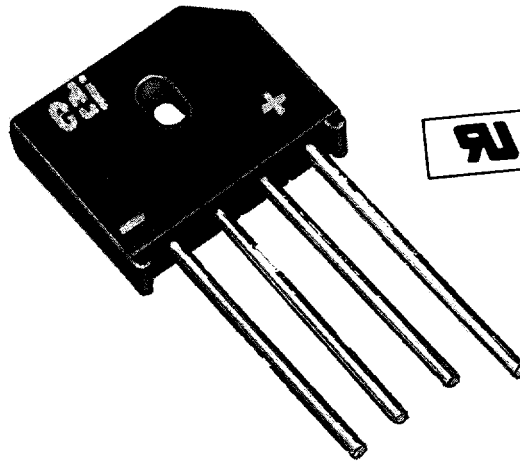



FAST RECOVERY SINGLE-PHASE FULL WAVE BRIDGE

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 (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.



ELECTRONIC DEVICES, INC.

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FIG. 1

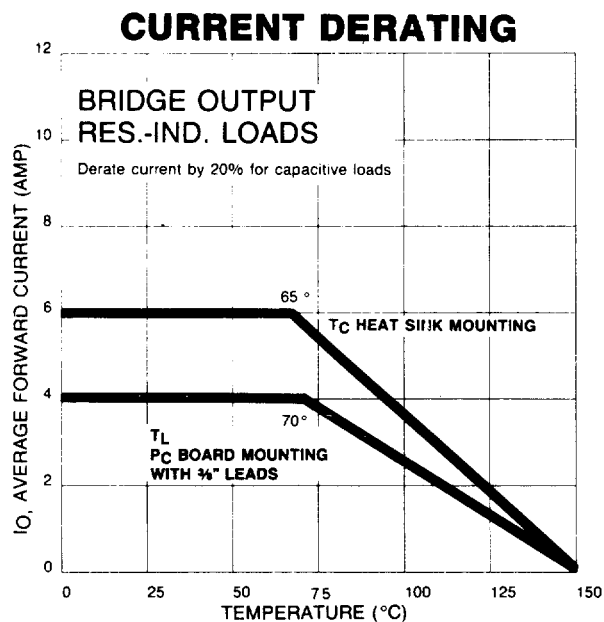


FIG. 2

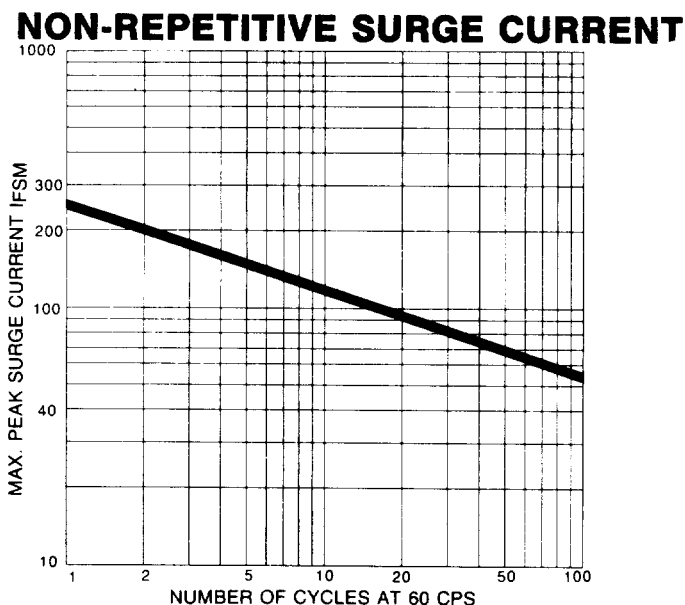
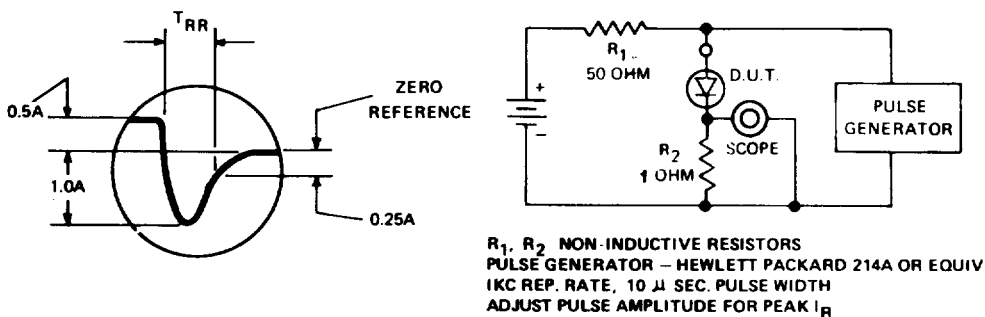
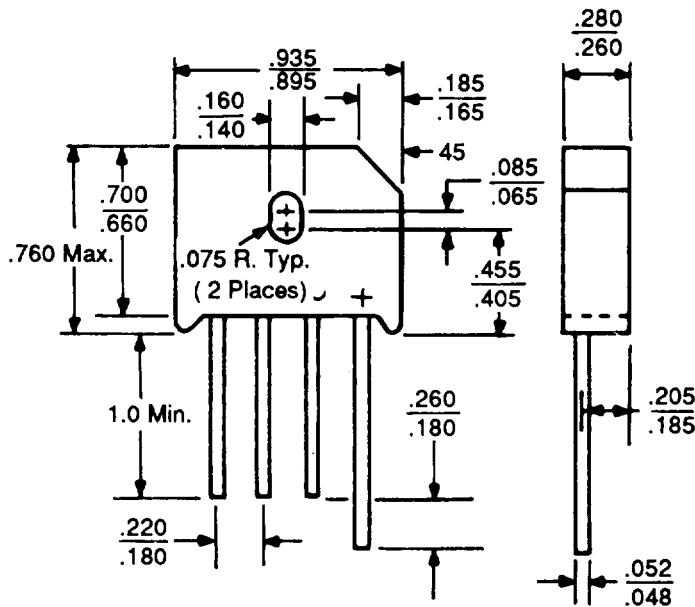


FIG. 3

REVERSE RECOVERY TEST METHOD



CASE STYLE FOR 6PHR



NOTE Dielectric test voltage 2,500 V rms, max. 50-60 Hz
 Maximum lead and terminal temperature for soldering, 3/8 inch from case, 5 seconds at 250°C.