

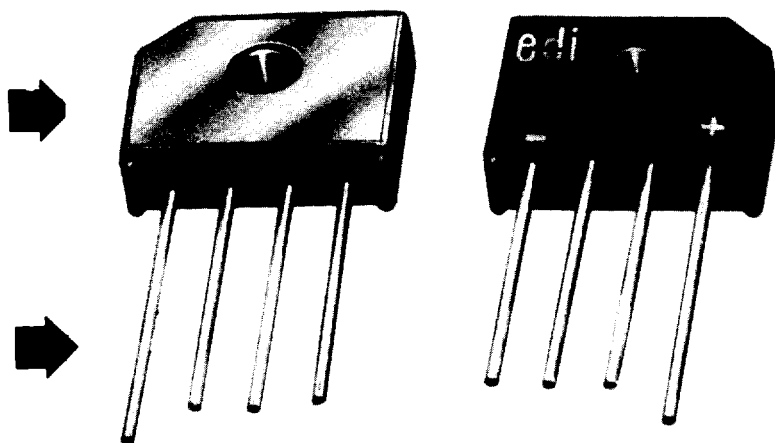
SINGLE-PHASE FULL WAVE BRIDGE

10 AMPERES

FOR P.C. BOARD AND HEAT SINK MOUNTING

INTEGRALLY MOLDED
HEAT SINK
PROVIDES LOW
THERMAL RESISTANCE

SPACE SAVING
IN-LINE DESIGN



This product has recognition under the components program of Underwriters Laboratories, Inc.

PRV/Leg	50V	100V	200V	400V	600V	800V	1000V
Type No.	10PH05	10PH10	10PH20	10PH40	10PH60	10PH80	10PH100

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

Average Output Current, I_O @ $65^\circ\text{C } T_C$ (Fig. 1)	10	Amp
Max. Forward Voltage Drop, $V_F = 1.0\text{V}$ @ $I_F =$	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, $R_{\theta_{j-c}}$	4.5 Typ.	$^\circ\text{C/W}$
Ambient Operating Temperature Range, T_A	-55 to +150	$^\circ\text{C}$
Storage Temperature Range, T_{stg}	-55 to +150	$^\circ\text{C}$

Note 1: Derate I_O by 20% for capacitive loads

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



ELECTRONIC DEVICES, INC.

21 GRAY OAKS AVENUE • YONKERS, NEW YORK 10710
914-965-4400 • FAX 914-965-5531 • 1-800-678-0828
e-mail: sales@edidiodes.com • website: www.edidiodes.com



FIG. 1

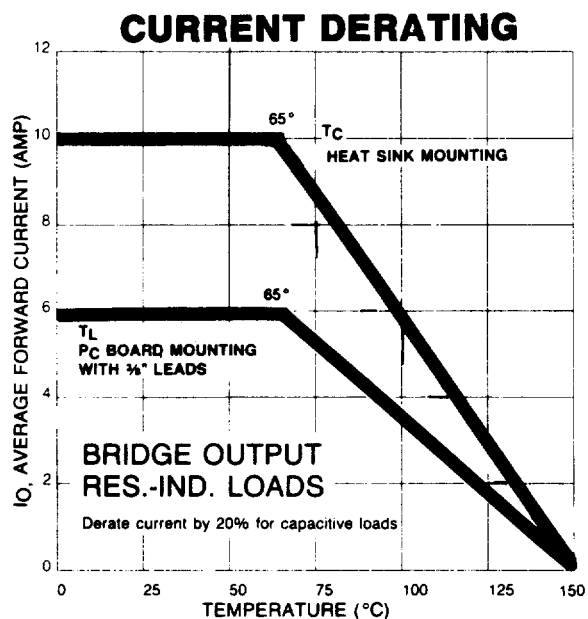
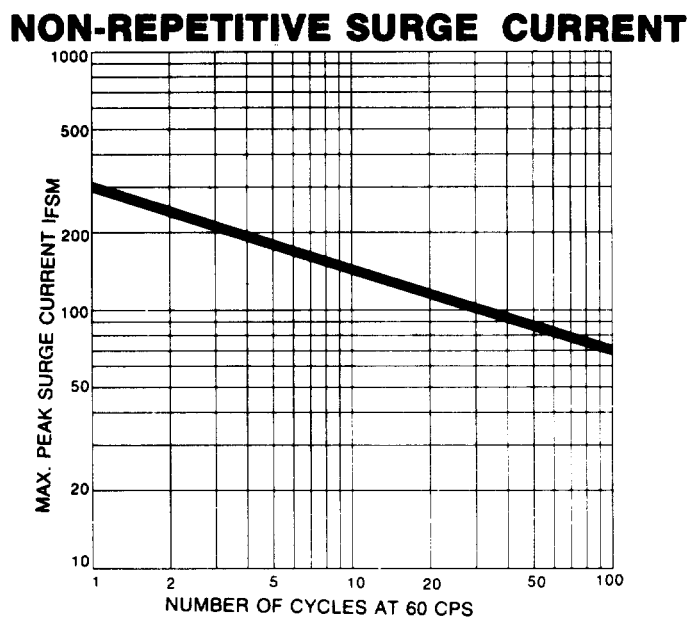
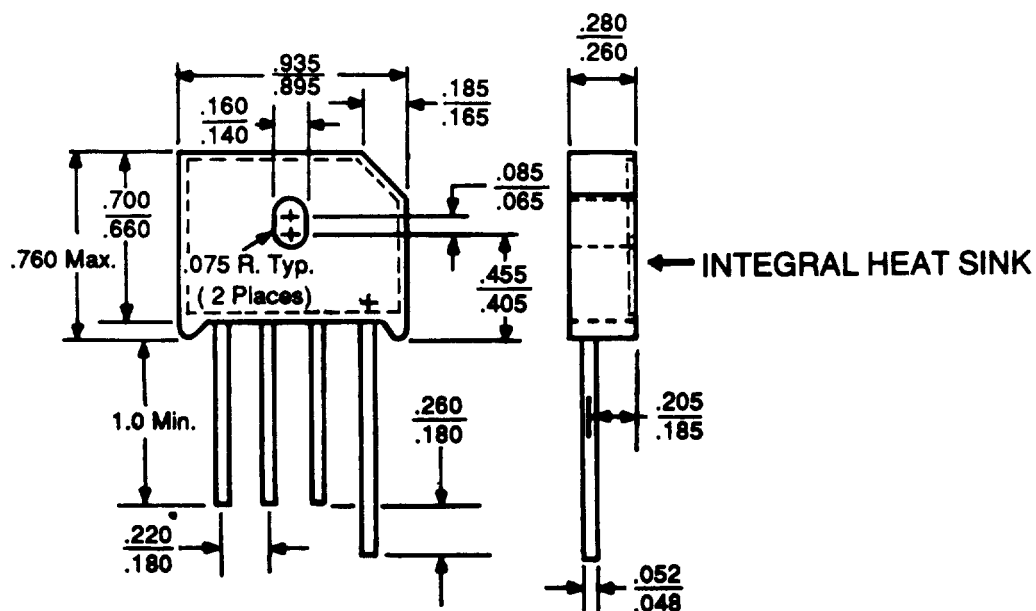


FIG. 2



Dielectric test voltage 2500 volts rms, max. 50-60 Hz.

CASE STYLE FOR 10PH



NOTE Maximum lead and terminal temperature for soldering, $\frac{3}{8}$ inch from case, 5 seconds at 250°C .