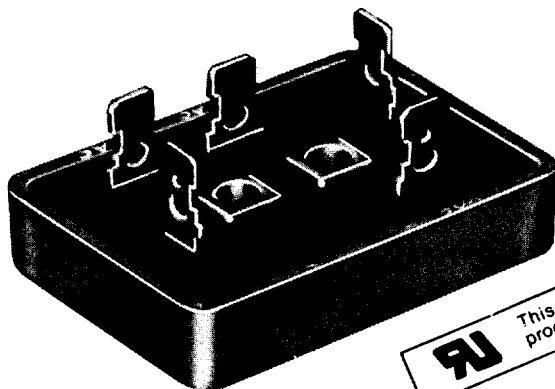


MINIBRIDGE®

27.5 AMPERES

THREE-PHASE FULL-WAVE BRIDGES HEAT SINK AND CHASSIS MOUNTING



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

PBT SERIES

PRV/Leg	50V	100V	200V	400V	600V	800V	1000V	1200V
Type No.	PBT05	PBT10	PBT20	PBT40	PBT60	PBT80	PBT100	PBT120

ELECTRICAL CHARACTERISTICS PER LEG

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

Max. Forward Voltage Drop, $V_F = 1.0\text{V}$ @ $I_F =$	3	Amp
Max. DC Reverse Current @ PRV and 25°C , I_R	10	μA
Max. DC Reverse Current @ PRV and 100°C , I_R	100	μA
Max. Peak Surge Current, I_{FSM} (8.3 ms)	300	Amp
Storage Temperature Range, T_{stg}	-55 to +175	$^{\circ}\text{C}$
Thermal Resistance (Total), $R_{\theta J-C}$	2.3 typ.	$^{\circ}\text{C/W}$

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



ELECTRONIC DEVICES, INC.

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Figure 1
CURRENT DERATING

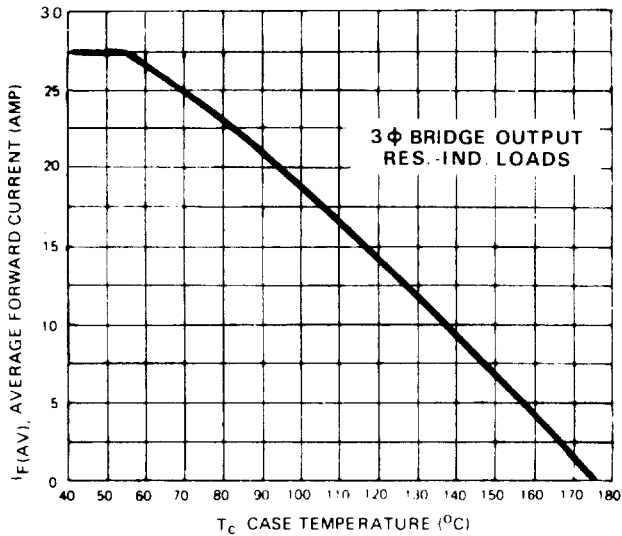


Figure 2
POWER DISSIPATION

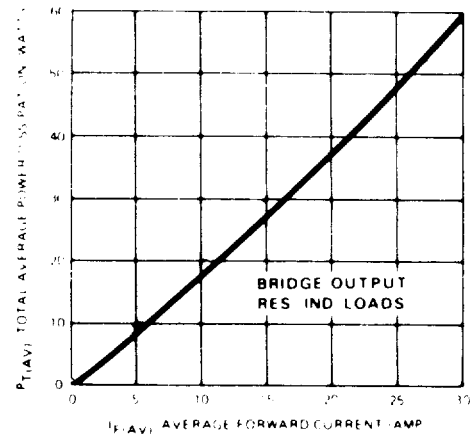


Figure 3
NON-REPETITIVE SURGE CURRENT

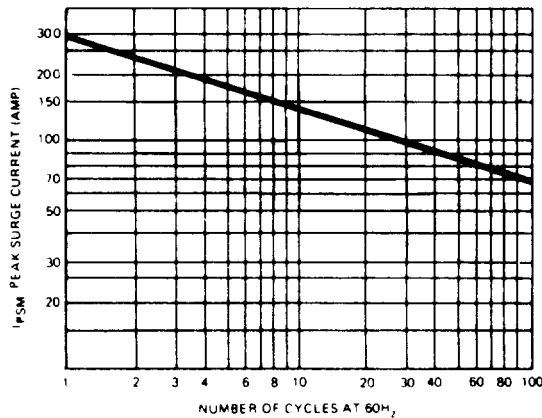
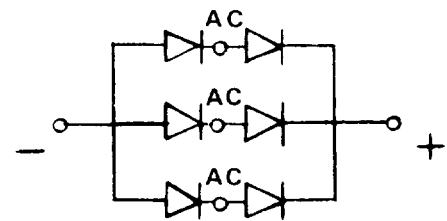
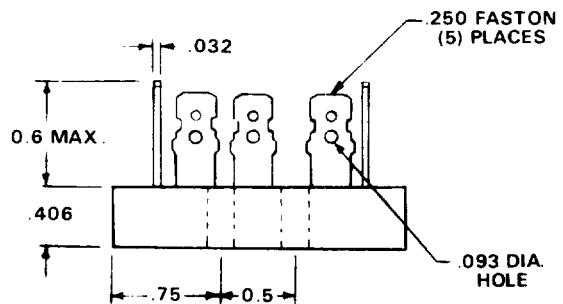
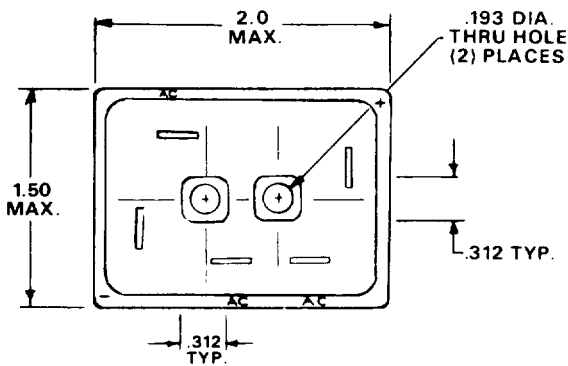


Figure 4
SCHEMATIC



PBT SERIES MECH. OUTLINE

Dielectric test voltage 1500 volts rms, max. 50-60 Hz.



NOTES: 1. Corrosion resistant terminals designed for .250 female quick connector, wrap around or solder.

2. A thin film of silicone thermal compound is recommended between the Minibridge[®] case and mounting surface for improved thermal conduction.

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