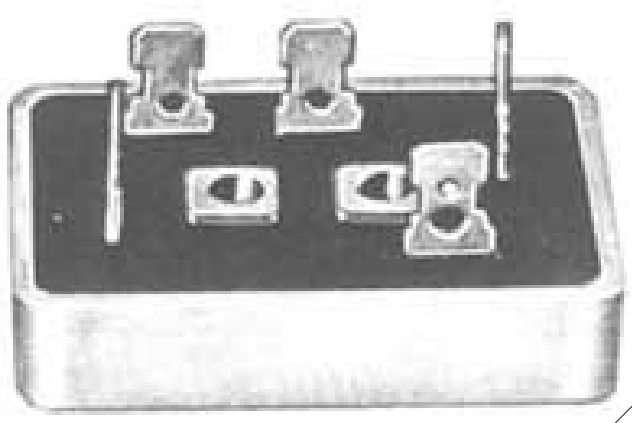
PBTR

FAST RECOVERY MINIBRIDGE®
200 NANOSECOND RECOVERY
17 AMPERE THREE-PHASE FULL-WAVE BRIDGES
HEAT SINK AND CHASSIS MOUNTING



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

PBTR SERIES

PRV/leg	50V	100V	200V	400V	600V	800V	1000V
Type No.	PBTR05	PBTR10	PBTR20	PBTR40	PBTR60	PBTR80	PBTR100

ELECTRICAL CHARACTERISTICS PER LEG
(at T_A=25 °C Unless Otherwise Specified)

Max. Forward Voltage Drop, V_F =1.4 V @ I_F =	2.0	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)	200	Amp
Max. Reverse Recovery Time, Trr (Fig.1)	200	nanosec.
Storage Temperature Range, T_{STG}	-55 to +175	°C
Thermal Resistance (Total Bridge), $R\theta_{j-c}$	3.5typ.	°C/ W

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

Figure 1
CURRENT DERATING

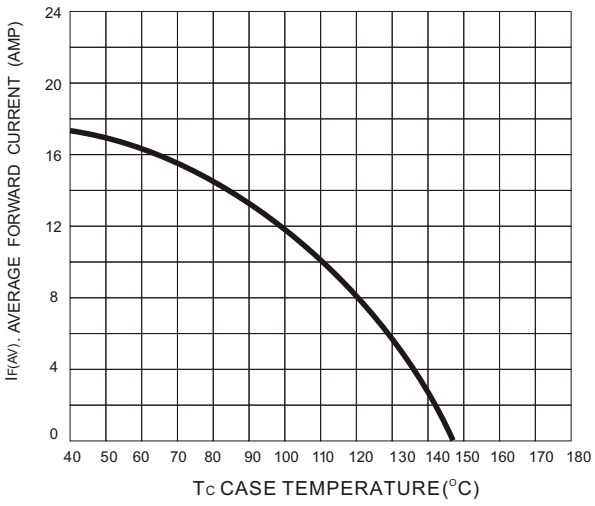


Figure 2
POWER DISSIP ATION

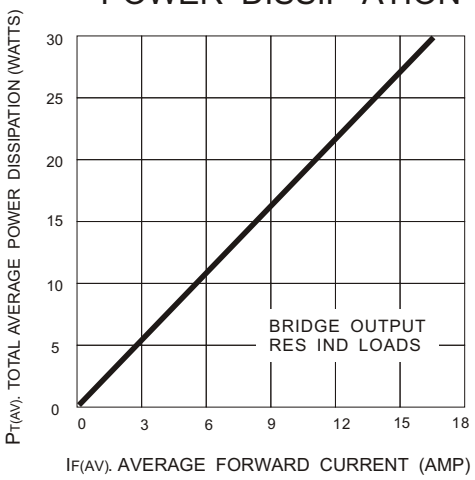


Figure 3
NON- REPETITIVE SURGE CURRENT

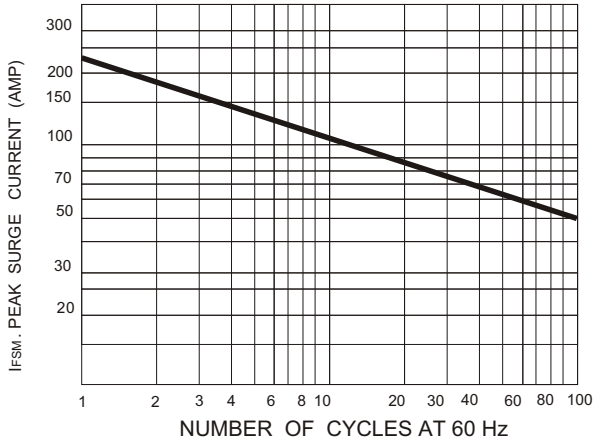
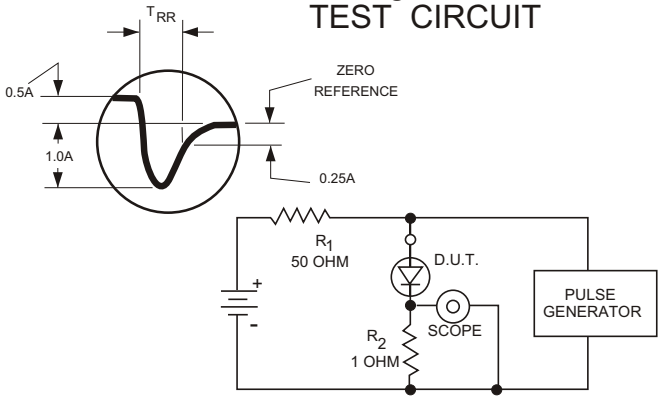


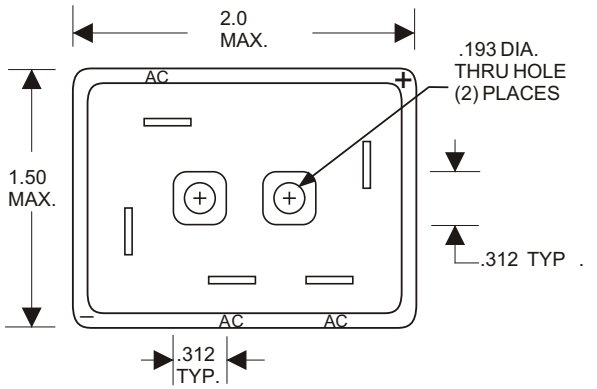
Figure 4
TEST CIRCUIT

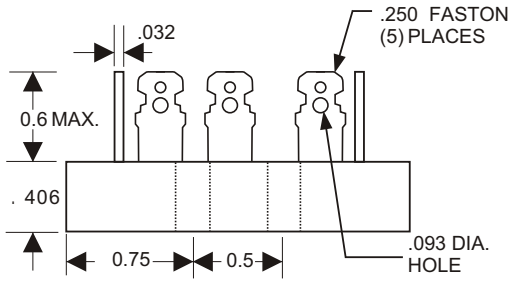


R_1, R_2 NON-INDUCTIVE RESISTORS
PULSE GENERATOR - HEWLETT PACKARD 214A OR EQUIV.
IKC REP.RATE, 10 μ.SEC. PULSE WIDTH
ADJUST PULSE AMPLITUDE FOR PEAK I_R

PBTR SERIES MECH. OUTLINE

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





NOTE: 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.

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