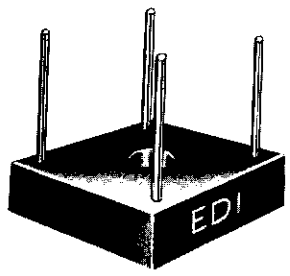
SINGLE-PHASE FULL WAVE BRIDGE

6.0 AMPERES HEAT SINK MOUNTING
3.0 AMPERES FOR P.C. BOARD MOUNTING



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

PP SERIES

PRV/leg	50V	100V	200V	400V	600V	800V	1000V
Type No.	PP 05	PP 10	PP 20	PP 40	PP 60	PP 80	PP100

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

Max. Forward Voltage Drop, V_F = 1.2V @ I_F =	2.0	Amp
Max. DC Reverse Current @ PRV and 25°C, I_R	10.0	μA
Max. Peak Surge Current, I_{FSM} (8.3 ms)	100	Amp
Ambient Operating Temperature Range, T_A	−55 to +150	°C
Storage Temperature Range, T_{stg}	−55 to +150	°C
Thermal Resistance(Total Bridge), $R\theta_{j-c}$	6.0typ.	°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.

ELECTRONIC DEVICES, INC.
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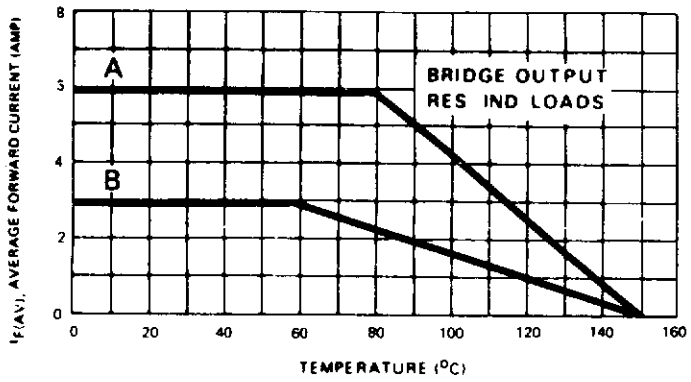
Figure 1
PP SERIES CURRENT DERATING



A = CASE TEMPERATURE, HEAT SINK MOUNTED
B = AMBIENT TEMPERATURE

Figure 2
NON-REPETITIVE SURGE CURRENT

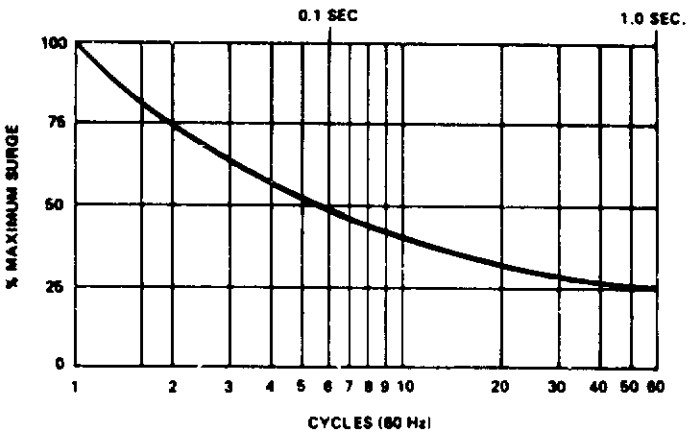
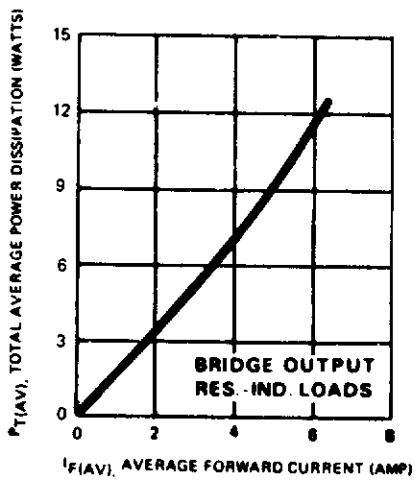
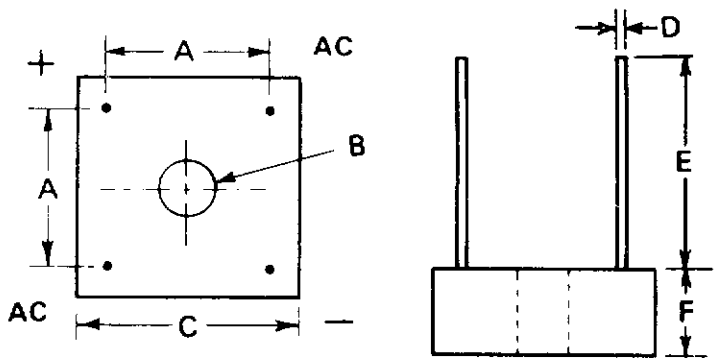


Figure 3
POWER DISSIPATION



PP SERIES MECH. OUTLINE



LTR	INCHES	MILLIMETERS
A	.411–.441	10.44–11.20
B	.137–.167 DIA	3.48–4.24 DIA
C	.590–.610	14.99–15.49
D	.038–.042	.97–1.07
E	.750 MIN	19.05 MIN
F	.300 MAX	7.62 MAX

NOTE: 1. A thin film of silicone thermal compound is recommended between the bridge case and mounting surface for improved thermal conduction.