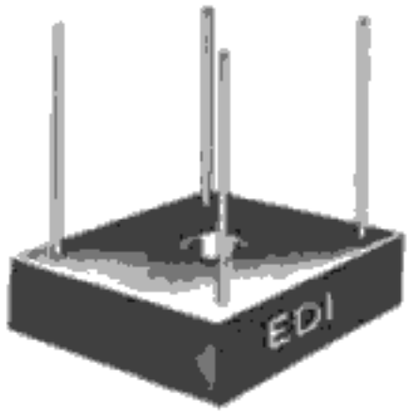
PV

SINGLE-PHASE FULL WAVE BRIDGE BRIDGE
2.0 AMPERES FOR P.C. BOARD MOUNTING
3.0 AMPERES HEAT SINK MOUNTING



PV SERIES

PRV/leg	50V	100V	200V	400V	600V	800V	1000V
Type No.	PV05	PV10	PV20	PV40	PV60	PV80	PV100

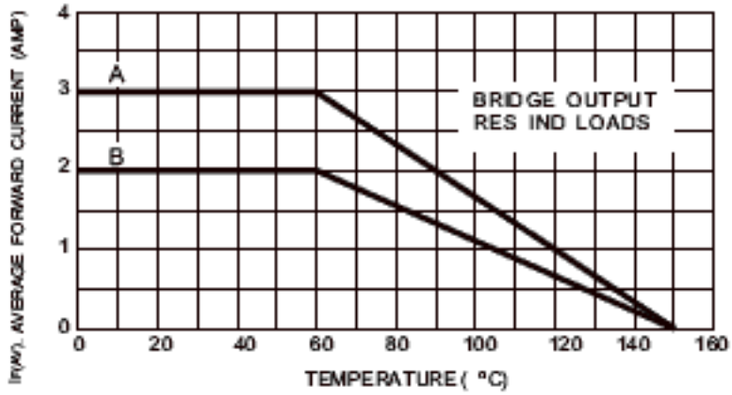
ELECTRICAL CHARACTERISTICS PER LEG
(at T_A=25 ℃ Unless Otherwise Specified)

Max. Forward Voltage Drop, V_F=1.0 V @ I_F =	1.0	Amp
Max. DC Reverse Current @PRV and 25 °C, I_R	10.0	μA
Max. Peak Surge Current, I_{FSM} (8.3ms)	50	Amp
Ambient Operating Temperature Range, T_A	-55 to +150	°C
Storage Temperature Range, T_{STG}	-55 to +150	°C

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.

Figure 1
PV SERIES CURRENT DERATING



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

Figure 2
NON-REPETITIVE SURGE CURRENT

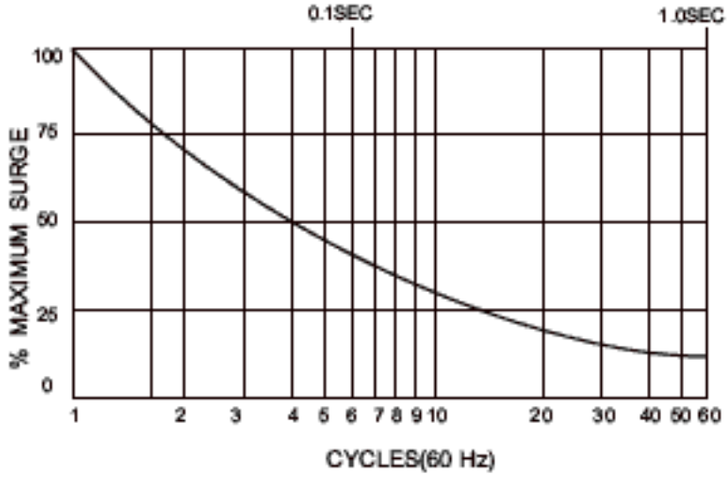
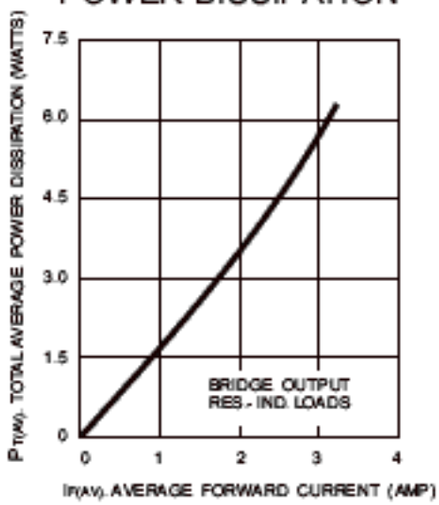
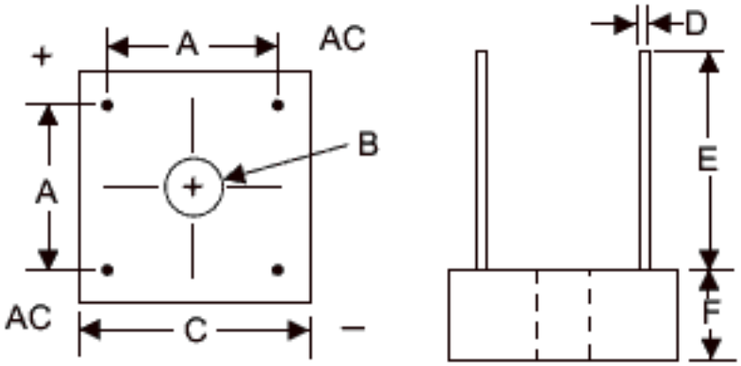


Figure 3
POWER DISSIPATION



PV SERIES MECH. OUTLINE



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

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

ELECTRONIC DEVICES, INC. DESIGNERS AND MANUFACTURERS OF SOLID STATE DEVICES SINCE 1951.
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: http://www.edidiodes.com