PK-F

MINIBRIDGE ®
12 AMPERES-TAB TERMINALS
SINGLE-PHASE, FULL-WAVE BRIDGES
HEAT SINK AND CHASSIS MOUNTING

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

PK-F SERIES

PRV/Leg	50V	100V	200V	400V	600V	800V	1000V
Type No.	PK05F	PK 10F	PK 20F	PK 40F	PK 60F	PK 80F	PK100F

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

Average Output Current, Io @ 60 °C Tc (Fig.1)	12	Amp
Max. Forward Voltage Drop, V_F =1.0 V @ I_F =	2.0	Amp
Max. DC Reverse Current @ PRV and 25°C, I_R	3	μA
Max. DC Reverse Current @ PRV and 100°C, I_R	75	μA
Max. Peak Surge Current, I_{FSM} (8.3ms)	150	Amp
Storage Temperature Range, T_{STG}	-55 to+150	°C
Thermal Resistance (Total Bridge), $R\theta_{j-c}$	4.3 Typ.	° C/ W

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

Figure 1
CURRENT DERATING

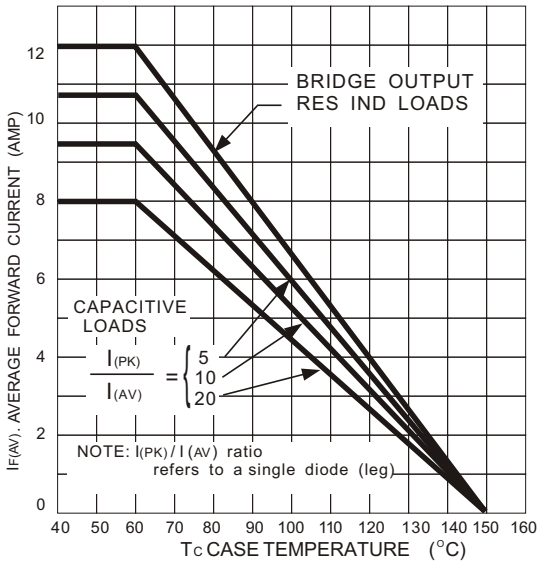


Figure 2
NON-REPETITIVE SURGE CURRENT

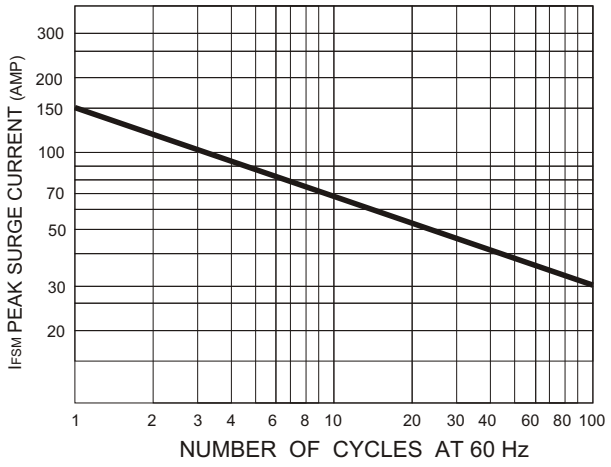
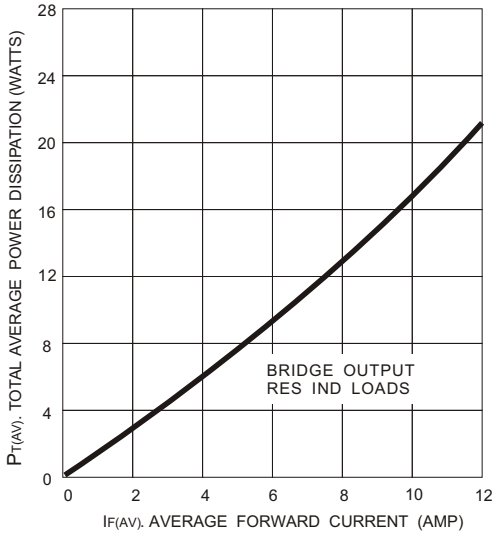
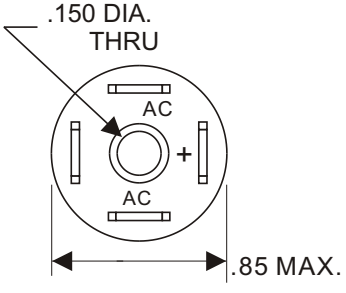


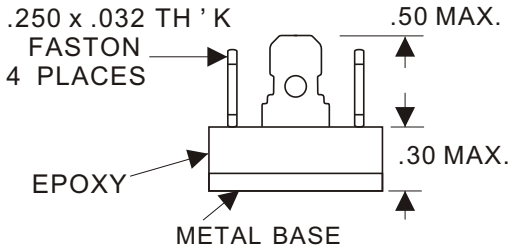
Figure 3
POWER DISSIP ATION



PK-F SERIES MECH. OUTLINE

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





NOTE: 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.

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