



PT-F

**MINIBRIDGE<sup>®</sup>**  
**8 AMPERES-TAB TERMINALS**  
**SINGLE-PHASE FULL-WAVE BRIDGES**  
**HEAT SINK AND CHASSIS MOUNTING**



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

**PT-F SERIES**

PRV/Leg	50V	100V	200V	400V	600V	800V	1000V
Type No.	PT05F	PT 10F	PT 20F	PT 40F	PT 60F	PT 80F	PT100F

**ELECTRICAL CHARACTERISTICS PER LEG**  
 (at T<sub>A</sub>=25 °C Unless Otherwise Specified)

Max. Forward Voltage Drop, V <sub>F</sub> =1.0 V @ I <sub>F</sub> =	2.0	Amp
Max. DC Reverse Current @ PRV and 25°C, I <sub>R</sub>	3	μA
Max. DC Reverse Current @ PRV and 100°C, I <sub>R</sub>	75	μA
Max. Peak Surge Current, I <sub>FSM</sub> (8.3ms)	150	Amp
Storage Temperature Range, T <sub>STG</sub>	-55 to +150	°C
Thermal Resistance (Total Bridge), R <sub>θj-c</sub>	6.0typ.	°C/W

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

Figure 1  
PT-F SERIES CURRENT DERATING

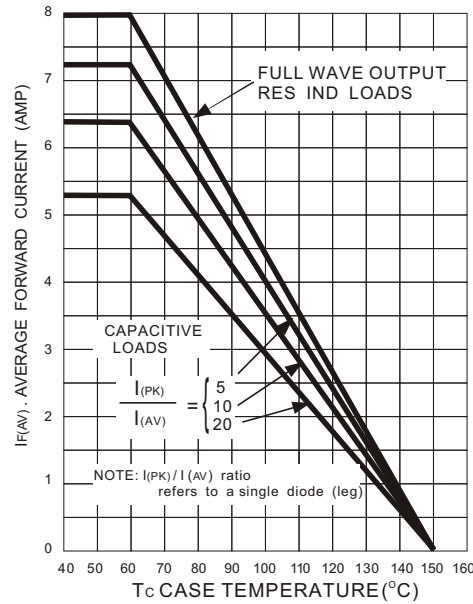


Figure 2

NON-REPETITIVE SURGE CURRENT

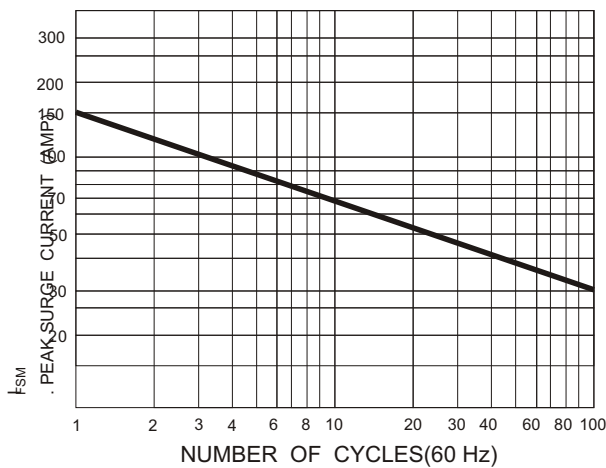
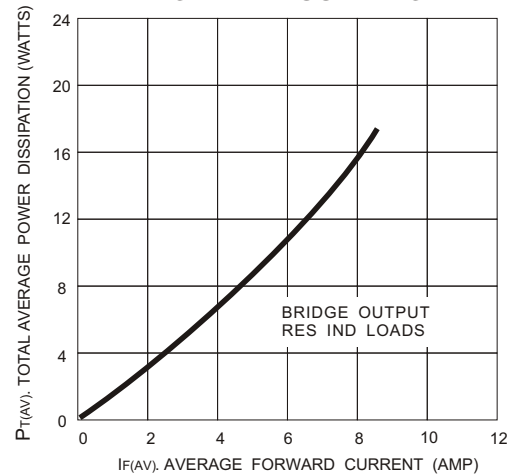
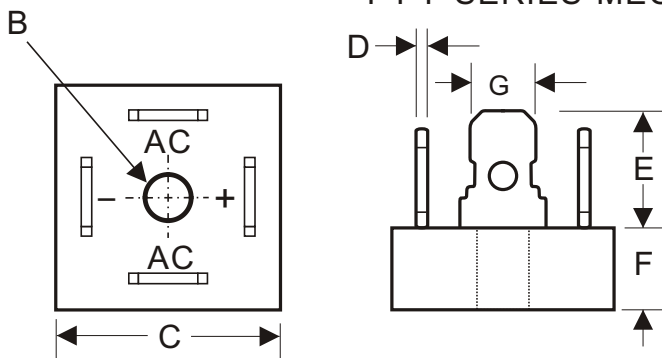


Figure 3

POWER DISSIPATION



PT-F SERIES MECH. OUTLINE



LTR	INCHES	MILLIMETERS
B	.140-.160DIA	3.5 - 4.1 DIA
C	.800 MAX	20.4 MAX
D	.032	.81
E	.500 MAX	12.7 MAX
F	.300 MAX	7.62 MAX
G	.250	6.35

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.

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