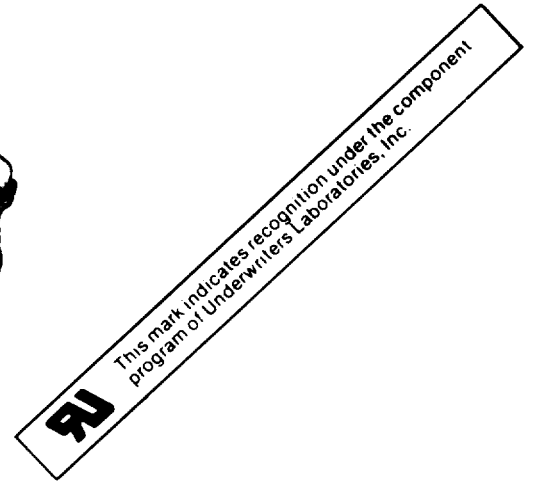
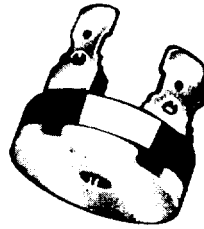


MINIBRIDGE®

12 AMPERES - HIGH SURGE

TAB TERMINALS SINGLE-PHASE FULL-WAVE BRIDGES
HEAT SINK AND CHASSIS MOUNTING



PRV/leg	50V	100V	200V	400V	600V	800V	1000V
Type No.	PY05F	PY10F	PY20F	PY40F	PY60F	PY80F	PY100F
Type No.	DY05F	DY10F	DY20F	DY40F	DY60F	DY80F	DY100F

ELECTRICAL CHARACTERISTICS PER LEG (at T _A = 25°C Unless Otherwise Specified)	PY-F	DY-F	
Max. Forward Voltage Drop, V _F = 1.0V @ I _F =	3	3	Amp
Max. DC Reverse Current @ PRV and 25°C, I _R	10	10	μA
Max. DC Reverse Current @ PRV and 100°C, I _R	100	100	μA
Max. Peak Surge Current, I _{FSM} (8.3 ms)	300	400	Amp
Thermal Resistance (Total Bridge), R _{θj-c}	5.1 typ.	5.1	°C/W
Storage Temperature Range, T _{stg}	-55 to + 150	-55 to + 150	°C

Figure 1
CURRENT DERATING

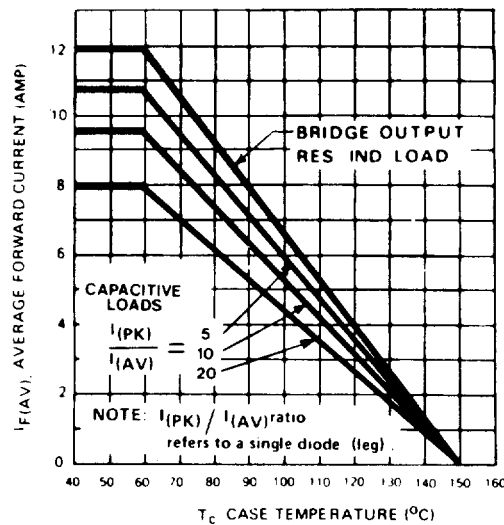


Figure 2
NON-REPETITIVE SURGE CURRENT

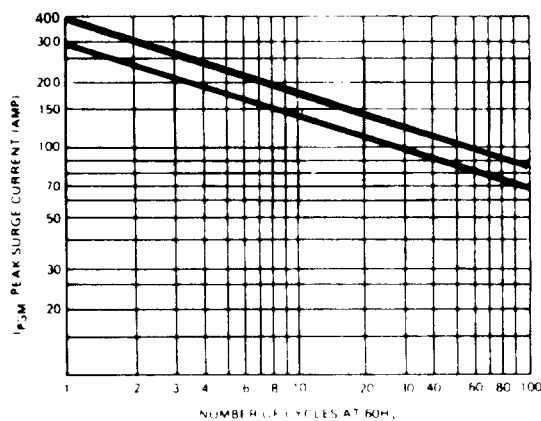
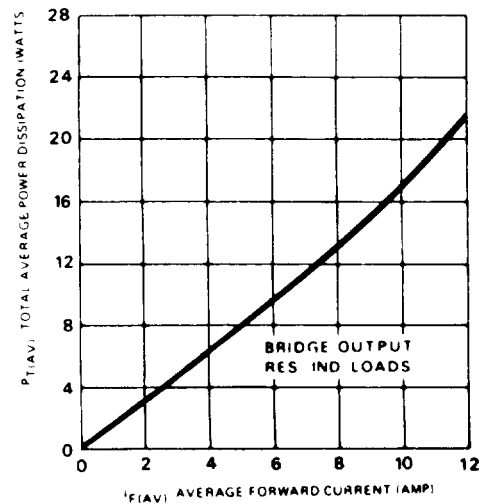
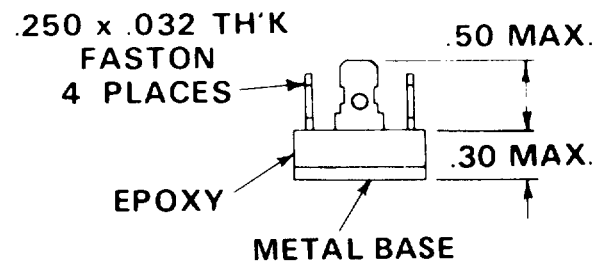
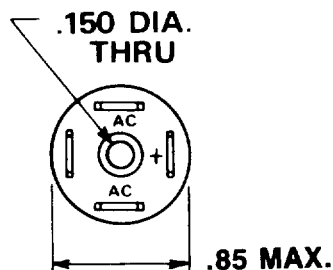


Figure 3
POWER DISSIPATION



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.