SERIES
PAC
PBC
PWC

ELECTRONIC DEVICES, INC.
AN AMERICAN ELECTRONIC COMPONENTS COMPANY
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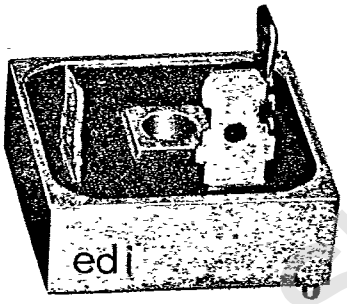
MINIBRIDGE®
SINGLE-PHASE FULL-WAVE CENTER-TAP
18, 30, 35 AMPERES
HEAT SINK AND CHASSIS MOUNTING



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

I_F(Avg.)	Series	PRV-leg						
		50V	100V	200V	400V	600V	800V	1000V
18 Amp	PAC	PAC05	PAC10	PAC20	PAC40	PAC60	PAC80	PAC100
30 Amp	PBC	PBC05	PBC10	PBC20	PBC40	PBC60	PBC80	PBC100
35 Amp	PWC	PWC05	PWC10	PWC20	PWC40	PWC60	PWC80	PWC100

*Center-Tap Positive; For Center-Tap Negative Add "N" to Type Number i.e. PACN05.

ELECTRICAL CHARACTERISTICS PER LEG (at T_A = 25°C Unless Otherwise Specified)	SERIES			UNIT
	PAC	PBC	PWC	
Max. Forward Voltage Drop, V_F = 1.0V @ I_F =	2	3	12	Amp
Max. DC Reverse Current @ PRV and 25°C, I_R	10	10	10	μA
Max. DC Reverse Current @ PRV and 100°C, I_R	100	100	100	μA
Max. Peak Surge Current, I_{FSM} (8.3 ms)	200	300	400	Amp
Thermal Resistance (Total), $R_{\theta J\text{-}C}$	6.6 TYP	3.7 TYP	3.2 TYP	°C/W
Storage Temperature Range, T_{stg}	−55 to +175			°C

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

Figure 1a PAC CURRENT DERATING

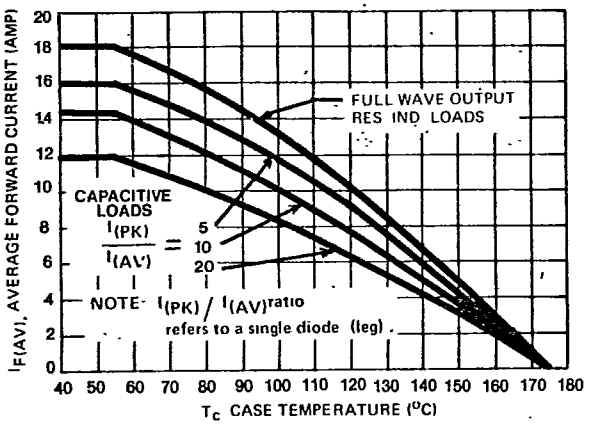


Figure 1b PBC CURRENT DERATING

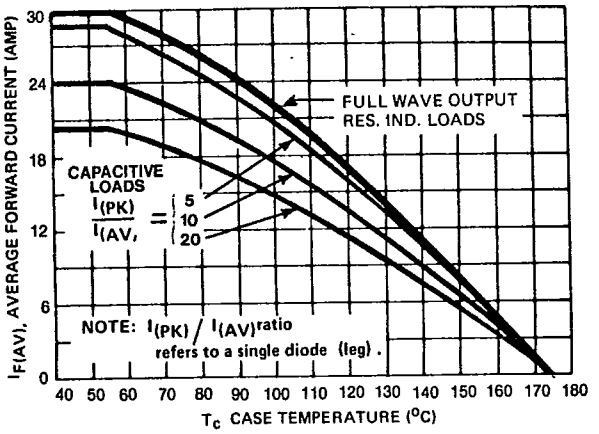


Figure 1c PWC CURRENT DERATING

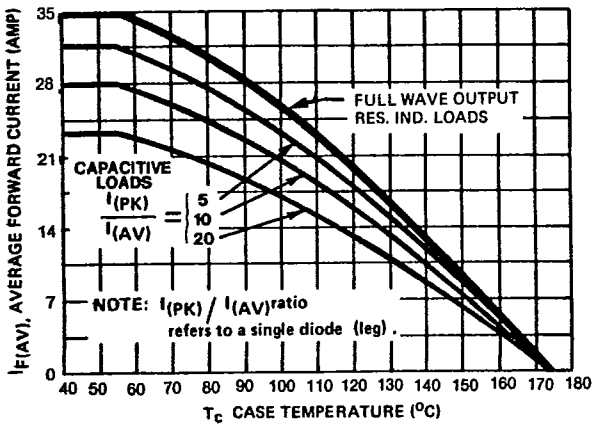


Figure 2 NON-REPETITIVE SURGE CURRENT

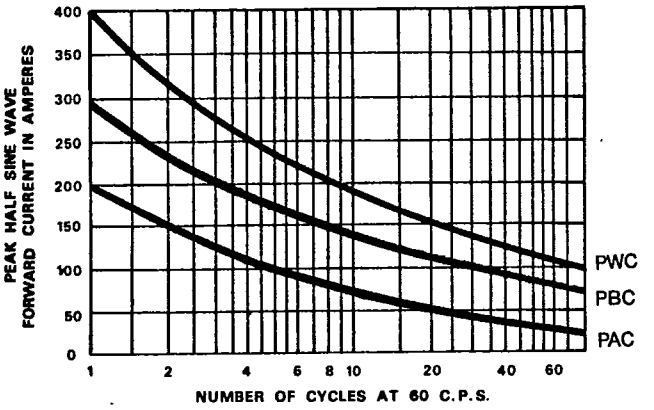


Figure 3 POWER DISSIPATION

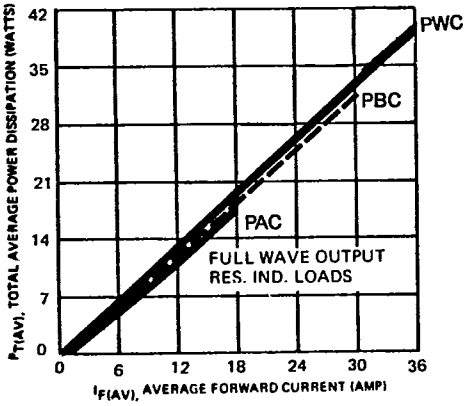
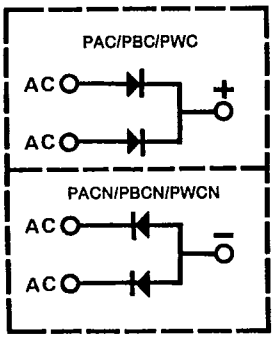
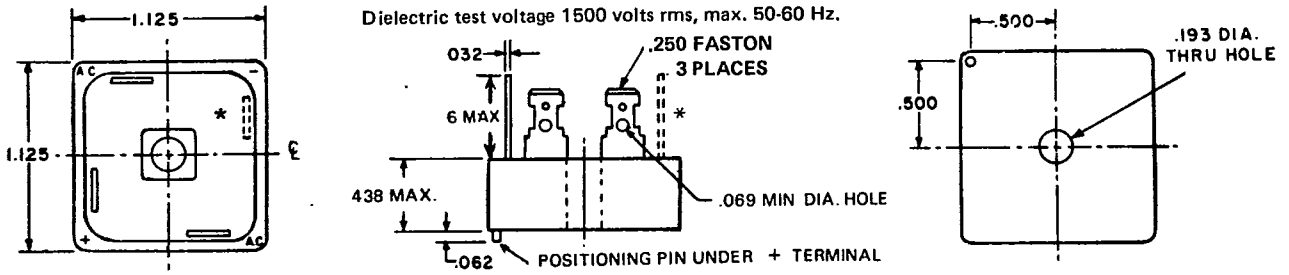


Figure 4 SCHEMATICS



MECH. OUTLINES

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



*DC Output Terminal Position for "N" Types

NOTES:
1. Corrosion resistant terminals designed for .250 female quick connector, wrap around or solder.
2. A thin film of silicone thermal compound is recommended between the Minibridge ® case and mounting surface for improved thermal conduction.
3. Bridges available without positioning pin. Consult factory.