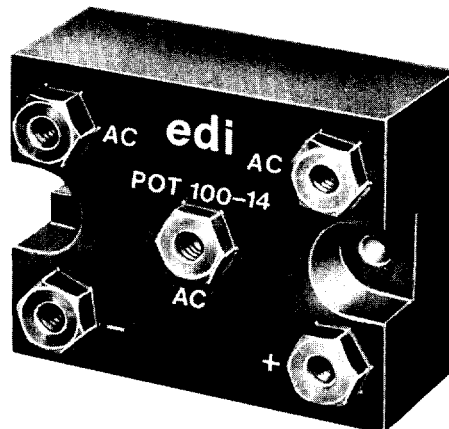
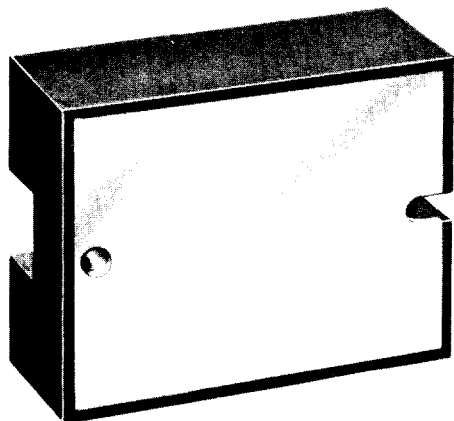
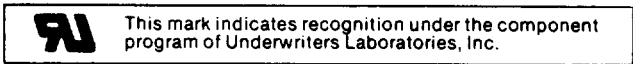


# 75 and 100 Ampere Three Phase Bridges

Provides 0.23° C/W Junction-to-Case, Thermal Resistance



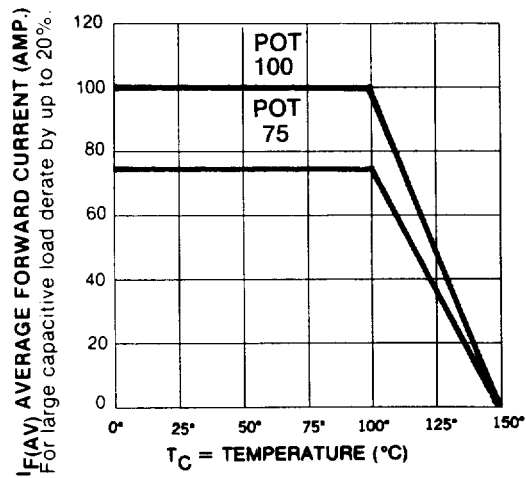
PRV/LEG	100	200	400	600	800	1000	1200	1400
TYPE NUMBER	POT100-01	POT100-02	POT00-04	POT100-06	POT00-08	POT100-10	POT100-12	POT100-14
TYPE NUMBER	POT75-01	POT75-02	POT75-04	POT75-06	POT75-08	POT75-10	POT75-12	POT75-14

### Electrical Characteristics

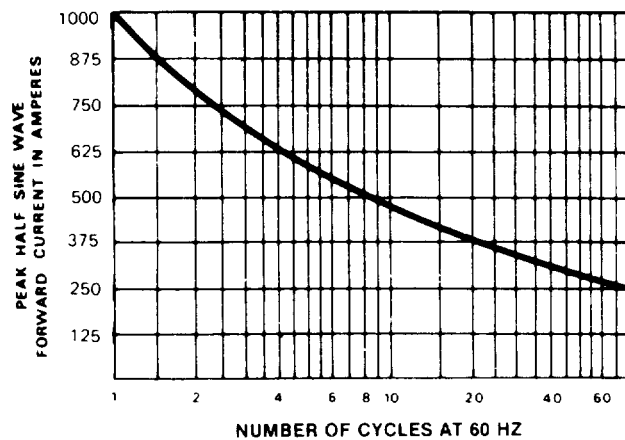
Series Type Number	POT75	POT100	UNIT
Max. Repetitive Peak Reverse Voltage	100 to 1400		Volts
Max. DC Output Current, $T_c = 100^\circ\text{C}$	75	100	Adc
Max. DC Reverse Current @ PRV and $T_c = 125^\circ\text{C}$ , $I_R$	5	5	mA.
Max. Peak Non-Rep. Surge Current, 8.3mS	1000	1000	Apk
Max. $I^2t$ for Fusing ( $t < 8.3\text{mS}$ )	4000	4000	A <sup>2</sup> SEC.
Max. Instantaneous Forward Voltage @ $I_F = 100\text{Apk}$ Pulse Width = 300 $\mu\text{s}$ . Duty cycle < 2.0%	1.3	1.3	Vpk
Max. Isolation Voltage	2000	2000	V <sub>RMS</sub>
Thermal Resistance $R_{\theta jc}$ Junction To Case	0.23 typ.	0.23 typ.	°C/W
Operating Temperature Range	-55 °C to 150 °C		

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

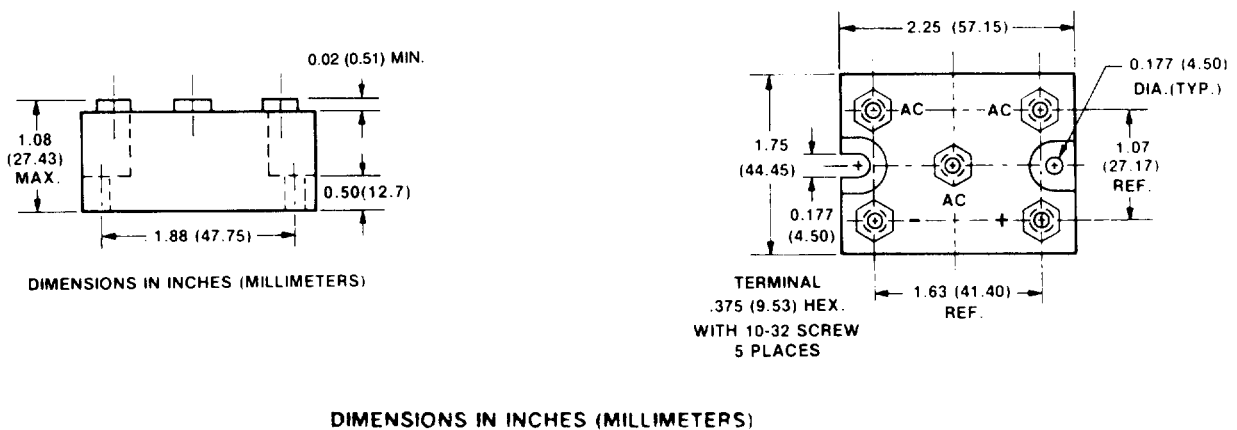
**Figure 1**  
**CURRENT DERATING**



**Figure 2**  
**NON-REPETITIVE SURGE CURRENT**



**POT SERIES MECHANICAL OUTLINE**



**Note:** A thin film of silicone thermal compound is recommended between the Minibrige<sup>®</sup> case and mounting surface for improved thermal conduction.