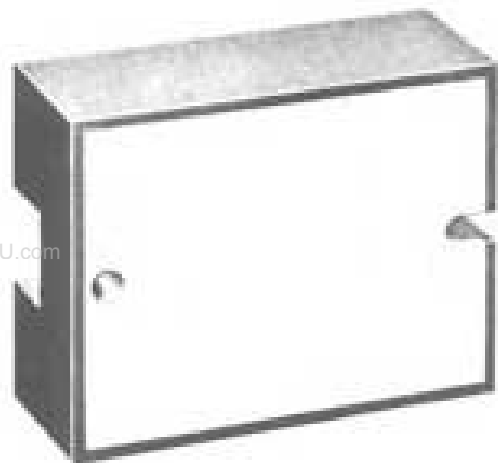




POT

75, 100 and 120 Ampere Three Phase Bridges
Provides 0.23 °C/W Junction-to-Case, Thermal Resistance



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

PRV/LEG	100	200	400	600	800	1000	1200	1400
TYPE NUMBER	POT120-01	POT120-02	POT120-04	POT120-06	POT120-08	POT120-10	POT120-12	POT120-14
TYPE NUMBER	POT100-01	POT100-02	POT100-04	POT100-06	POT100-08	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	POT 75	POT 100	POT 120	UNIT
Max. Repetitive Peak Reverse Voltage	100 to 1400			Volts
Max. DC Output Current. $T_C = 100^\circ\text{C}$	75	100	120	Adc
Max. DC Reverse Current @ PRV and 125°C , I_R	5	5	5	mA.
Max. Peak Non-Rep. Surge Current, (8.3ms)	1000	1000	1000	Apk
Max. I^2t for Fusing ($t < 8.3\text{ms}$)	4000	4000	4000	A ² SEC.
Max. Instantaneous Forward Voltage @ $I_F = 100\text{Apk}$ Pulse Width = $300\mu\text{s}$. Duty cycle $< 2.0\%$	1.3	1.3	1.3	Vpk
Max. Isolation Voltage	2000	2000	2000	V _{RMS}
Thermal Resistance $R_{\theta JC}$ Junction To Case	0.23typ.	0.23 typ.	0.23 typ.	°C/W
Operating Temperature Range	-55 to +150 °C			

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

Figure 1
CURRENT DERATING

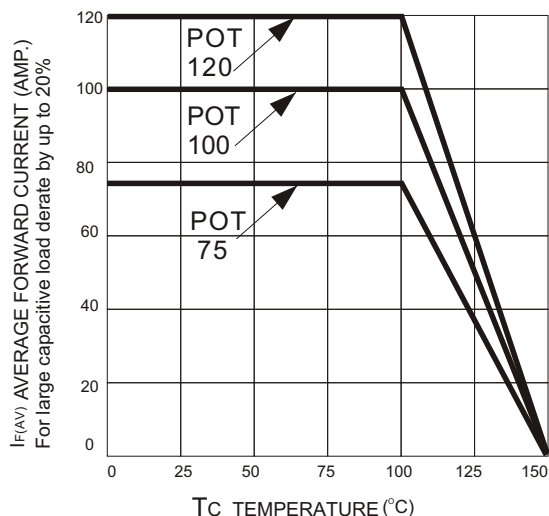
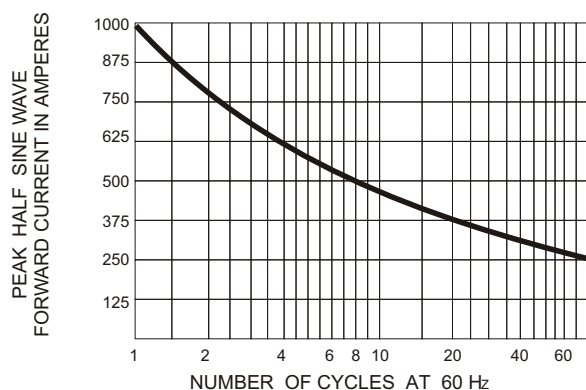
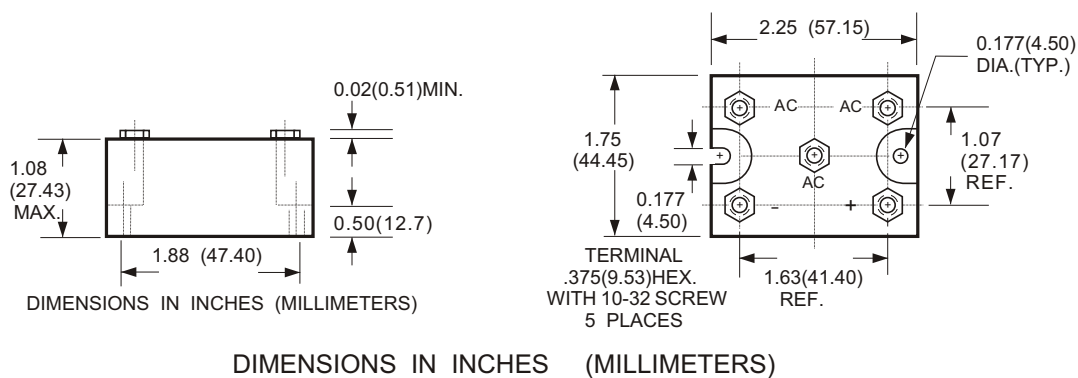


Figure 2
NON-REPETITIVE SURGE CURRENT



POT SERIES MECHANICAL OUTLINE



NOTE: A thin film of silicone thermal compound is recommended between the 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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