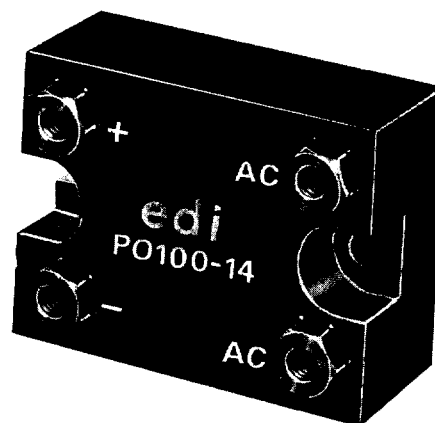
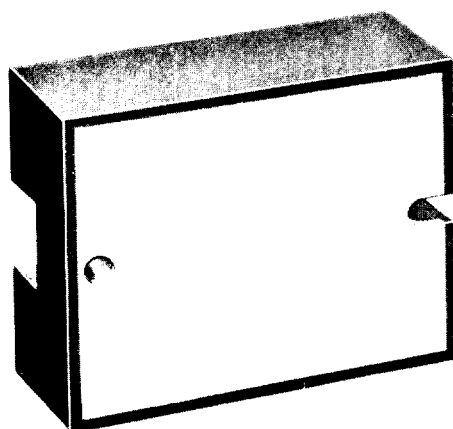


75 and 100 Ampere Bridges

Provides 0.40° 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	PO100-01	PO100-02	PO100-04	PO100-06	PO100-08	PO100-10	PO100-12	PO100-14
TYPE NUMBER	PO75-01	PO75-02	PO75-04	PO75-06	PO75-08	PO75-10	PO75-12	PO75-14

Electrical Characteristics

Series Type Number	PO75	PO100	UNIT
Max. Repetitive Peak Reverse Voltage	100 to 1400		Volts
Max. DC Output Current, $T_C = 80^\circ\text{C}$	75	100	Adc
Max. DC Reverse Current @ PRV and $= 125^\circ\text{C}$, 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 ² SEC.
Max. Instantaneous Forward Voltage @ $I_F = 100\text{APK}$ Pulse Width = 300 μs . Duty cycle < 2.0%	1.3	1.3	V _{PK}
Max. Isolation Voltage	2000	2000	V _{RMS}
Thermal Resistance $R_{\theta jc}$ Junction To Case	0.40 typ.	0.40 typ.	°C/W
Operating Temperature Range	-55 °C to 150 °C		

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



ELECTRONIC DEVICES, INC.

21 GRAY OAKS AVENUE • YONKERS, NEW YORK 10710
914-965-4400 • FAX 914-965-5531 • 1-800-678-0828
e-mail: sales@edidiodes.com • website: www.edidiodes.com



Figure 1
CURRENT DERATING

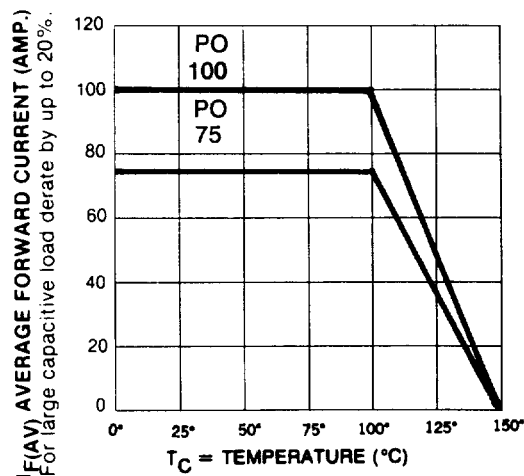
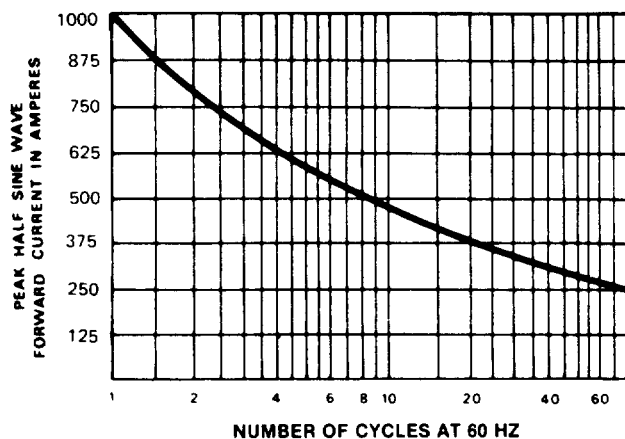
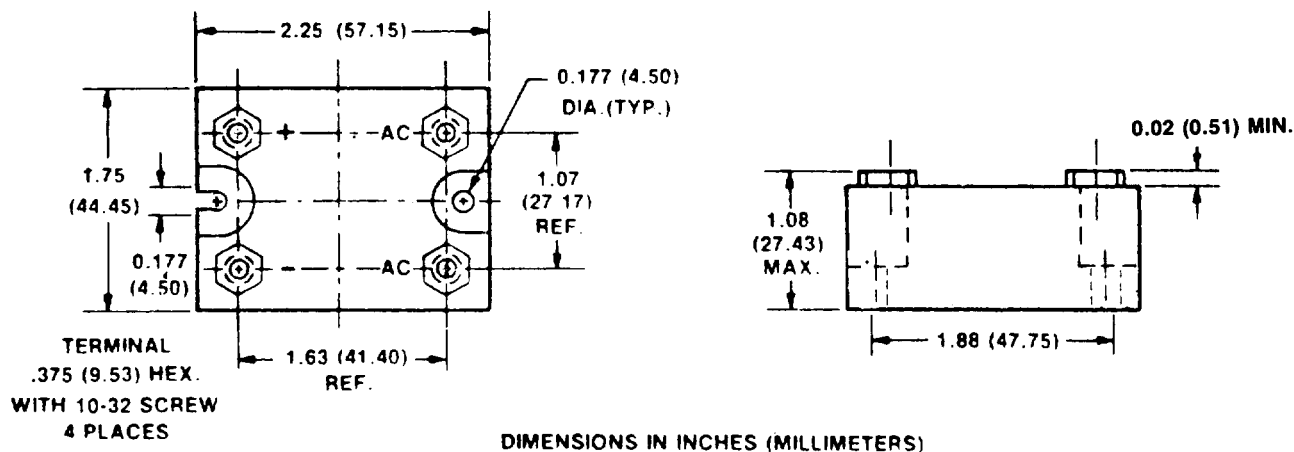


Figure 2
NON-REPETITIVE SURGE CURRENT



PO SERIES MECHANICAL OUTLINE



Note: A thin film of silicone thermal compound is recommended between the Minibridge® case and mounting surface for improved thermal conduction.