

# series B48-2T, B48-2

35-50Amp • Diode Modules



Shown: -2 Case Style

Single and three-phase diode circuits come in a panel mount package that provides 2500 Vrms isolation from the terminals to the ceramic base. Available in ratings up to 1600 Volts, all models are UL recognized E72445.

- **Single and Three-Phase Circuits**
- **Up to 1600 Volt Blocking Standard**

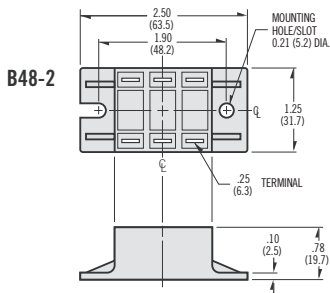
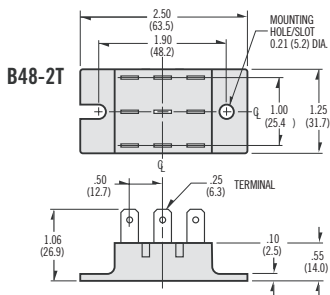
## Part Number Identification

Series	Circuit Type	Voltage	Case Style
B48	1 - 5 (see schematic diagrams)	B - 400 (120 Vac) C - 600 (240Vac) E - 1000 (380Vac)	-2T (Std) -2 with Isolation Barriers
		F - 1200 (480Vac) G - 1400 (530Vac) H - 1600 (600Vac)	

Example: B483C-2T

## Mechanical Dimensions

All dimensions are in inches (millimeters)



## Electrical Specifications

		SINGLE PHASE	THREE PHASE
$I_D$	Maximum DC Output Current @ $T_c = 85^\circ\text{C}$ (A)	35	55
$V_F$	Maximum Voltage Drop @ Amps Peak	1.25V @ 35A	1.35V @ 50A
$T_J$	Operating Junction Temperature Range	-40°C to +125°C	
$V_{RMS}$	Repetitive Peak Reverse Voltage (AC Line Input Voltage)	400 (120Vac) 600 (240Vac) 1000 (380Vac) 1200 (480Vac) 1400 (530Vac) 1600 (600Vac)	
$I_{TSM}$	Maximum Non-Repetitive Surge Current (A) [ $1/2$ Cycle, 60Hz ]	600	
$I^2T$	Maximum $I^2T$ for Fusing ( $A^2\text{sec}$ ) [ $t=8.3\text{ms}$ ]	1500	
$R_{\theta JC}$	Maximum Thermal Resistance Junction to Ceramic Base per Chip	0.9°C/W	
$V_{ISOL}$	Isolation Voltage	2500 $V_{RMS}$	

## Mechanical Specifications

Weight (Typical) 1.5 oz. (42.5g)

