



Series B48-2T, B48-2

35-50 Amp • DIODE Modules

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

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 (file no. E72445).

Manufactured in Crydom's ISO 9002 Certified facility for optimum product performance and reliability.

PART NUMBER IDENTIFICATION

Series Type
B48

Circuit Type
1 - 5
(see schematic diagrams)

Voltage

B - 400 (120Vac)

C - 600 (240Vac)

E - 1000 (380Vac)

F - 1200 (480Vac)

G - 1400 (530Vac)

H - 1600 (600Vac)

Case Style

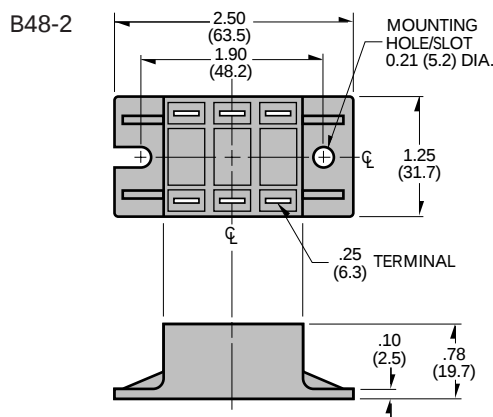
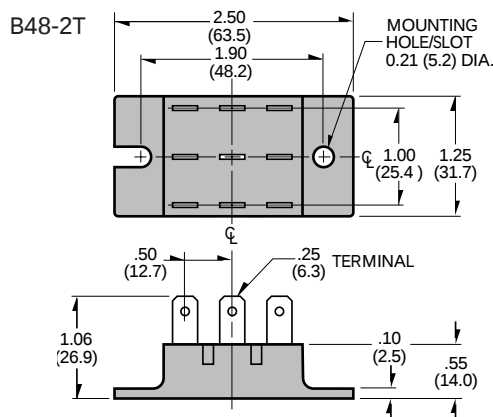
-2T (Standard)

-2 With Isolation Barriers

Example: B483C-2T

MECHANICAL DIMENSIONS

All dimensions are in inches (millimeters)



ELECTRICAL SPECIFICATIONS

SYMBOL SPECIFICATION

RATINGS
SINGLE PHASE THREE PHASE

I_D	Maximum DC Output Current ($T_c = 85^\circ\text{C}$)	35A	50A
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_{RRM}	Repetitive Peak Reverse Voltage (Ac Line)	400 (120 Vac) 600 (240 Vac) 1000 (380 Vac) 1200 (480 Vac) 1400 (530 Vac) 1600 (600 Vac)	
I_{TSM}	Maximum Non-Repetitive Surge Current ($1/2$ Cycle, 60Hz)	600A	600A
I^2T	Maximum I^2T for Fusing ($t=8.3\text{ms}$) [A^2sec]	1500	1500
$R_{\theta JC}$	Maximum Thermal Resistance Junction to Ceramic Base per Chip	0.9°C/W	0.9°C/W
V_{ISOL}	Isolation Voltage	2500 V_{RMS}	2500 V_{RMS}

MECHANICAL SPECIFICATIONS

Weight: (typical)

1.5 oz. (42.5g)

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For recommended applications and more information contact:

USA: (800) 8 CRYDOM • (800) 827-9366 • (619) 715-7200 • fax (619) 715-7280

Crydom Corp, 9525 Chesapeake Drive, San Diego, CA 92123 • e-mail: sales@crydom.com

WEB SITE: <http://www.crydom.com> **FASTFAX Product Information:** (888) 267-9191

UK: (44)1202 812300 • fax (44)1202 812340 Crydom International Ltd., 85, Condor Close, Woolsbridge Industrial Estate, Three-Legged Cross, Wimborne, Dorset, England BH21 6SU

GERMANY: (49) (0)6874 182580 • fax (49)(0)6874 182585 Crydom GmbH,

Gewerbegebiet Im Schachen, D-66687 Nunkirchen, Germany • e-mail: Vertrieb@crydom.com





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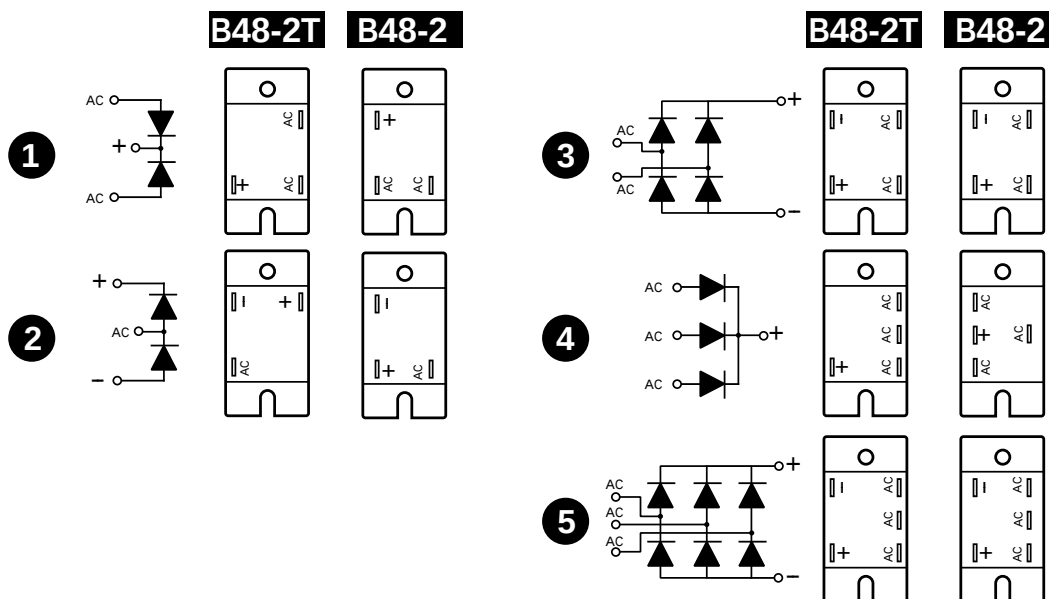
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SERIES B48 CIRCUITS



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