



**CD41\_\_99B, CS41\_\_99B**  
**CN41\_\_99B, CC41\_\_99B**  
**Dual & Single Diode Isolated**  
**POW-R-BLOK™ Module**  
 100 Amperes / Up to 1800 Volts

**Description:**

Powerex Dual Diode & Single Diode Modules are designed for use in applications requiring rectification and isolated packaging. The modules are isolated for easy mounting with other components on a common heatsink. POW-R-BLOK™ has been tested and recognized by the Underwriters Laboratories.

**Features:**

- Electrically Isolated Heatsinking
- DBC Alumina (Al<sub>2</sub>O<sub>3</sub>) Insulator
- Copper Baseplate
- Low Thermal Impedance for Improved Current Capability

**Benefits:**

- No Additional Insulation Components Required
- Easy Installation
- No Clamping Components Required
- Reduce Engineering Time

**Ordering Information:**

Select the complete nine digit module part number from the table below.  
 Example: CD411699B is a 1600 Volt, 100 Ampere Dual Diode Isolated POW-R-BLOK™ Module

**Outline Dimensions**

Dimension	Inches	Millimeters
A	3.66	93
B	0.79	20
C	3.15	80
D	1.18	30
F	0.61	15.5
G	0.79	20
H	0.79	20
M	1.16	29.4
N	0.31	8
P	0.94	24
T	0.25	6.4
U	M5	M5

Note: Dimensions are for reference only.

Type	Voltage Volts (x100)	Current Amperes	Version
CD41	08	99	B
CC41	12	(100 A)	
CN41	14		
	16		
CS41	18		

**Applications:**

- Power Supplies
- Bridge Circuits
- AC & DC Motor Drives
- Battery Supplies
- Large IGBT Circuit Front Ends
- Lighting Control
- Heat & Temperature Control
- Welders