

Powerex CD4 and CD6 POW-R-BLOK™ Version C**DESCRIPTION:**

The new Powerex **CD4** and **CD6 POW-R-BLOK™ VERSION C** modules are designed for use in applications requiring rectification, half-control, or full control. These modules are isolated for easy mounting with other components on a common heatsink.

The new Powerex **CD4** and **CD6 POW-R-BLOK™ VERSION C** modules have a construction which uses compression bonded elements. This construction provides increased long-term power cycling capability as compared to the solder bond construction used in other modules. It is intended for customers seeking a durable, reliable, cost-effective solution in an industry standard package.

It is recommended that the customer review the data sheets for the Version C modules to confirm that they are suitable for their application if they are considering them as possible replacements for previous versions of the CD4 and CD6 modules. There are minor differences in the package dimensions and electrical characteristics.

FEATURES:

- ❑ Electrically Isolated Heatsinking
- ❑ Compression Bond Construction
- ❑ Non-standard configurations (common cathode, common anode) available through special negotiation with Powerex
- ❑ RoHS Compliant
- ❑ UL Recognized (E78240)

BENEFITS:

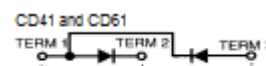
- ❑ No Additional Insulation Components Required
- ❑ Easy Installation
- ❑ No Clamping Components Required
- ❑ Reduce Engineering Time

APPLICATIONS:

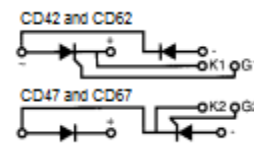
- ❑ Large IGBT Circuit Front Ends
- ❑ AC & DC Motor Drives
- ❑ Battery Supplies
- ❑ Power Supplies
- ❑ Bridge Circuits
- ❑ Heat & Temperature Control
- ❑ Welders

Dual Diode POW-R-BLOK™ Module

Type	Voltage	Current
CD41	800-1800V	100A
CD61	800-3600V	160A

**SCR/Diode POW-R-BLOK™ Module**

Type	Voltage	Current
CD42	800-1800V	90A
CD47	800-1800V	90A
CD62	800-2500V	150A
CD67	800-2500V	150A

**Dual SCR POW-R-BLOK™ Module**

Type	Voltage	Current
CD43	800-1800V	90A
CD61	800-2500V	150A

