

Powerex LD4 POW-R-BLOK™



DESCRIPTION:

The new Powerex **LD4 POW-R-BLOK™** is designed for use in applications requiring phase control and isolated packaging. The modules are isolated for easy mounting with other components on a common heatsink. The **POW-R-BLOK™** has been tested and recognized by the Underwriters Laboratories.

The new **LD4 POW-R-BLOK™** offers several advantages over its predecessor. By selecting low thermal conductivity Aluminum Nitride isolation and reconfiguring the internal construction, Powerex has improved the thermal conductivity of this device to allow the user to push for higher currents at the original rated temperature. The redesigned construction delivers a robust product with an improvement in surge capability of greater than 30 percent!

FEATURES:

- ❑ High Surge Capability
- ❑ Electrically Isolated Heatsinking
- ❑ Aluminum Nitride Insulator
- ❑ Compression Bonded Elements
- ❑ Metal Baseplate
- ❑ Low Thermal Impedance for Improved Current Capability
- ❑ Quick Connect Gate Terminal with Provision for Keyed Mating Plug
- ❑ UL Recognized

BENEFITS:

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

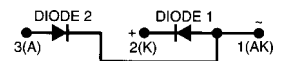
APPLICATIONS:

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

Dual Diode POW-R-BLOK™ Module

Type Voltage Current Rating

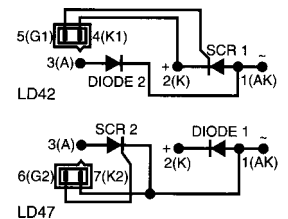
LD41	800	600
	1000 to 2400	



SCR/Diode POW-R-BLOK™ Module

Type Voltage Current Rating

LD42	800	500
LD47	1000 to 1600	



Dual SCR POW-R-BLOK™ Module

Type Voltage Current Rating

LD43	800	500
	1000 to 1600	
LD43	1800	430
	2000	
	2200	

