





LD431843

Manufacturer Part Number	LD431843
Manufacturer	Powerex, Inc.
Allelco Part Number	32D-LD431843
ECAD Model	 Request Free CAD Models
Parts Description	SCR MOD ISO DUAL 1800V 430A
Package	POW-R-BLOK™ Module
Data sheet	LD43 Module Terminal Locations Brief.pdf LD43xx43.pdf
RoHS Status	 RoHS Compliant



Get a Quote

LD431843 - Powerex Inc..New Original in Stock. Download Linear Technology LD431843 datasheet/specifications on AllelcoElec.com.
Request a quote for LD431843, please send us email: info@allelco.com

Specifications





LD431843 Tech Specifications

LD431843 - Powerex Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Powerex, Inc.	Operating Temperature	-40°C ~ 125°C (TJ)
Voltage - Off State	1.8 kV	Number of SCRs, Diodes	2 SCRs
Voltage - Gate Trigger (Vgt) (Max)	3 V	Mounting Type	Chassis Mount
Structure	Series Connection - All SCRs	Current - On State (It (RMS)) (Max)	800 A
Series	-	Current - On State (It (AV)) (Max)	430 A
Package / Case	POW-R-BLOK™ Module	Current - Non Rep. Surge 50, 60Hz (I _{tsm})	14000A, 16000A
Package	Bulk	Current - Gate Trigger (Igt) (Max)	200 mA

Parts with Similar Specifications



The three parts on the right have similar specifications to Powerex Inc. LD431843

Product Attribute	 NO PICTURE			
Part Number	LD431843	LD431850	LD432243	LD470850
Manufacturer	Powerex Inc.	Powerex Inc.	Powerex Inc.	Powerex Inc.
Number of SCRs, Diodes	2 SCRs	2 SCRs	2 SCRs	1 SCR, 1 Diode
Current - On State (It (AV)) (Max)	430 A	-	430 A	500 A
Structure	Series Connection - All SCRs	Series Connection - All SCRs	Series Connection - All SCRs	Series Connection - SCR/Diode
Current - Non Rep. Surge 50, 60Hz (I _{tsm})	14000A, 16000A	16300A, 17000A	14000A, 16000A	16300A, 17000A
Voltage - Off State	1.8 kV	1.8 kV	2.2 kV	800 V
Package / Case	POW-R-BLOK™ Module	POW-R-BLOK™ Module	POW-R-BLOK™ Module	POW-R-BLOK™ Module
Current - Gate Trigger (Igt) (Max)	200 mA	200 mA	200 mA	200 mA
Package	Bulk	Bulk	Bulk	Bulk
Current - On State (It (RMS)) (Max)	800 A	900 A	800 A	785 A
Mounting Type	Chassis Mount	Chassis Mount	Chassis Mount	Chassis Mount
Voltage - Gate Trigger (Vgt) (Max)	3 V	3 V	3 V	3 V
Operating Temperature	-40°C ~ 125°C (TJ)	-40°C ~ 130°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 130°C (TJ)
Series	-	-	-	-


LD431843 Datasheet PDF

Download LD431843 pdf datasheets and Powerex Inc. documentation for LD431843 - Powerex Inc..


Datasheets

-  [LD43 Module Terminal Locations Brief.pdf](#)
-  [LD43xx43.pdf](#)

Other Related Documents

-  [SCR Module Selection Guide.pdf](#)

PCN Assembly/Origin

-  [POW-R-BLO 04/Nov/2016.pdf](#)

Customers Also Interested in

Recommended Products



LD431850
Powerex Inc.



LD44E08Y01
Tyco Electronics



LD431450NC
Powerex, Inc.



LD430850NC
Powerex, Inc.



LD431650NA
Powerex, Inc.



LD432050NC
Powerex, Inc.

**LD432243**Powerex Inc.
SCR MOD ISO DUAL 2200V 430A**LD432250NC**Powerex, Inc.
IGBT Module**LD470850**Powerex Inc.
SCR MOD ISO DUAL 800V 500A**LD431850NC**Powerex, Inc.
IGBT Module**LD431450**Powerex Inc.
SCR MOD ISO DUAL 1400V 500A**LD430850**Powerex Inc.
SCR MOD ISO DUAL 800V 500A**LD431250**Powerex Inc.
SCR MOD ISO DUAL 1200V 500A**LD431650**Powerex Inc.
SCR MODULE DUAL ISO 1600V 500A**LD471250**Powerex Inc.
SCR MOD ISO DUAL 1200V 500A**LD422243**Powerex Inc.
SCR MOD ISO DUAL 2200V 430A**LD432043**Powerex Inc.
SCR MOD ISO DUAL 2000V 430A

NO PICTURE

LD431650Solid State Inc.
MODULE 1600 V 500AMP

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference

Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference

Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:

Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Efficient Supply Management



Cost-Saving Procurement



Fast Sourcing & Delivery

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@allelco.com

Certifications & Memberships



[View More](#)

Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong

Phone: +00852 9146 4856

Fax: +00852 3010 8510

Email: info@allelco.com