

Image may be representation.  
See specifications for product details.



## MCR310-10G

Manufacturer Part Number	<b>MCR310-10G</b>
Manufacturer	<b>Littelfuse</b>
Allelco Part Number	32D-MCR310-10G
ECAD Model	Request Free CAD Models
Parts Description	SCR 800V 10A TO220AB
Package	TO-220-3
Data sheet	<b>MCR310 Series.pdf</b> <b>MCR310-LF Series.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

MCR310-10G - Littelfuse Inc..New Original in Stock. Download Linear Technology MCR310-10G datasheet/specifications on AllelcoElec.com.  
Request a quote for MCR310-10G, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MCR310-10G Tech Specifications

MCR310-10G - Littelfuse Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Littelfuse	Operating Temperature	-40°C ~ 110°C
Voltage - On State (V <sub>tm</sub> ) (Max)	2.2 V	Mounting Type	Through Hole
Voltage - Off State	800 V	Current - On State (I <sub>t</sub> (RMS)) (Max)	10 A
Voltage - Gate Trigger (V <sub>gt</sub> ) (Max)	1.5 V	Current - Off State (Max)	500 µA
Supplier Device Package	TO-220AB	Current - Non Rep. Surge 50, 60Hz (I <sub>tsm</sub> )	100A @ 60Hz
Series	-	Current - Hold (I <sub>h</sub> ) (Max)	6 mA
SCR Type	Sensitive Gate	Current - Gate Trigger (I <sub>gt</sub> ) (Max)	200 µA
Package / Case	TO-220-3	Base Product Number	MCR310
Package	Box		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Littelfuse Inc. MCR310-10G

Product Attribute				
Part Number	MCR310-10G	MCR25N	MCR25NG	MCR3818-8
Manufacturer	Littelfuse Inc.	onsemi	Littelfuse Inc.	MOTOROLA
Current - On State (I <sub>t</sub> (RMS)) (Max)	10 A	25 A	25 A	-
Current - Non Rep. Surge 50, 60Hz (I <sub>tsm</sub> )	100A @ 60Hz	300A @ 60Hz	300A @ 60Hz	-
SCR Type	Sensitive Gate	Standard Recovery	Standard Recovery	-
Voltage - Gate Trigger (V <sub>gt</sub> ) (Max)	1.5 V	1 V	1 V	-
Voltage - On State (V <sub>tm</sub> ) (Max)	2.2 V	-	1.8 V	-
Package / Case	TO-220-3	TO-220-3	TO-220-3	-
Supplier Device Package	TO-220AB	TO-220	TO-220AB	-
Operating Temperature	-40°C ~ 110°C	-	-40°C ~ 125°C	-
Current - Gate Trigger (I <sub>gt</sub> ) (Max)	200 µA	30 mA	30 mA	-
Series	-	-	-	-
Current - Hold (I <sub>h</sub> ) (Max)	6 mA	40 mA	40 mA	-
Base Product Number	MCR310	MCR25	MCR25	-
Mounting Type	Through Hole	Through Hole	Through Hole	-
Voltage - Off State	800 V	800 V	800 V	-
Current - Off State (Max)	500 µA	-	10 µA	-
Package	Box	Tube	Box	-

### MCR310-10G Datasheet PDF

Download MCR310-10G pdf datasheets and Littelfuse Inc. documentation for MCR310-10G - Littelfuse Inc..

#### Datasheets

MCR310 Series.pdf

MCR310-LF Series.pdf

#### PCN Assembly/Origin

Mult Dev Site Transfer 17/Jun/2020.pdf













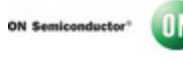





#### PCN Design/Specification

SMC Packaged Products 30/Nov/2016.pdf

Updated Polarity ID 30/Nov/2016.pdf

### Customers Also Interested in

## Recommended Products

 NO PICTURE		 NO PICTURE	 NO PICTURE	 NO PICTURE	
<b>MCR3818-8</b> MOTOROLA IGBT Module	<b>MCR25MG</b> onsemi SILICON CONTROLLED RECTIFIER	<b>MCR265-10</b> NO IGBT Module	<b>MCR3818-4</b> MOTOROLA IGBT Module	<b>MCR3918-2</b> MOTOROLA IGBT Module	<b>MCR25N</b> onsemi THYRISTOR SCR 25A 800V TO220AB
 NO PICTURE		 NO PICTURE		 NO PICTURE	
<b>MCR3918-10</b> MOTOROLA IGBT Module	<b>MCR265-4</b> AMI Semiconductor/onsemi	<b>MCR3818-10</b> MOTOROLA IGBT Module	<b>MCR25NG</b> Littelfuse Inc. SCR 800V 25A TO220AB	<b>MCR3818-6</b> MOTOROLA IGBT Module	<b>MCR264-10</b> AMI Semiconductor/onsemi
		 NO PICTURE			 NO PICTURE
<b>MCR264-8</b> AMI Semiconductor/onsemi	<b>MCR25TZHFC1R3D</b> LAPIS Technology	<b>MCR3818-3</b> MOTOROLA IGBT Module	<b>MCR25PZHFL1R20</b> LAPIS Technology	<b>MCR264-6(MCR264-006)</b> AMI Semiconductor/onsemi	<b>MCR3918-3</b> MOTOROLA IGBT Module

## 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

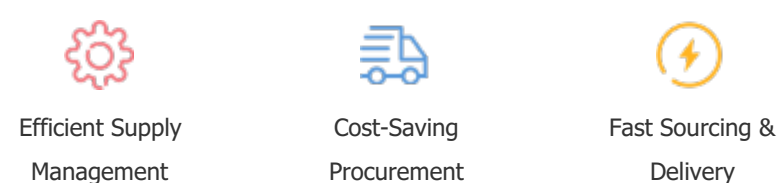
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### 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 -



Contact us if you have any questions.



### Certifications & Memberships



[View More](#)