



Image may be representation.  
See specifications for product details.



## BTA12-800BRG

Manufacturer Part Number	<b>BTA12-800BRG</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-BTA12-800BRG
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	TRIAC 800V 12A TO220AB
Package	TO-220-3
Data sheet	<b>Cylindrical Battery Holders.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

BTA12-800BRG - STMicroelectronics.New Original in Stock. Download Linear Technology BTA12-800BRG datasheet/specifications on AllelcoElec.com.  
Request a quote for BTA12-800BRG, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

BTA12-800BRG Tech Specifications  
BTA12-800BRG - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-40°C ~ 125°C (TJ)
Voltage - Off State	800 V	Mounting Type	Through Hole
Voltage - Gate Trigger (Vgt) (Max)	1.3 V	Current - On State (It (RMS)) (Max)	12 A
Triac Type	Standard	Current - Non Rep. Surge 50, 60Hz (Itsm)	120A, 126A
Supplier Device Package	TO-220AB Insulated	Current - Hold (Ih) (Max)	50 mA
Series	-	Current - Gate Trigger (Igt) (Max)	50 mA
Package / Case	TO-220-3	Configuration	Single
Package	Tube	Base Product Number	BTA12

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics BTA12-800BRG

Product Attribute				
Part Number	BTA12-800BRG	BTA12-800BW3G	BTA12-800CW3G	BTA12-800BW3G
Manufacturer	STMicroelectronics	Littelfuse Inc.	Littelfuse Inc.	onsemi
Current - On State (It (RMS)) (Max)	12 A	12 A	12 A	12 A
Package	Tube	Tube	Tube	Bulk
Operating Temperature	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)
Voltage - Gate Trigger (Vgt) (Max)	1.3 V	1.1 V	1.1 V	1.1 V
Current - Gate Trigger (Igt) (Max)	50 mA	50 mA	35 mA	50 mA
Package / Case	TO-220-3	TO-220-3	TO-220-3	TO-220-3
Triac Type	Standard	Standard	Standard	Standard
Supplier Device Package	TO-220AB Insulated	TO-220AB	TO-220AB	TO-220AB
Current - Hold (Ih) (Max)	50 mA	50 mA	45 mA	50 mA
Voltage - Off State	800 V	800 V	800 V	800 V
Series	-	-	-	-
Base Product Number	BTA12	BTA12	BTA12	-
Current - Non Rep. Surge 50, 60Hz (Itsm)	120A, 126A	105A @ 60Hz	105A @ 60Hz	105A @ 60Hz
Configuration	Single	Single	Single	Single
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole

### BTA12-800BRG Datasheet PDF

Download BTA12-800BRG pdf datasheets and STMicroelectronics documentation for BTA12-800BRG - STMicroelectronics.

#### PCN Assembly/Origin

2.73KHz.pdf

#### HTML Datasheet

Cylindrical Battery Holders.pdf

### Customers Also Interested in

#### Recommended Products



**BTA12-700CW**  
STMicroelectronics

**BTA12-800BW3G**  
Littelfuse Inc.  
TRIAC 800V 12A TO220AB

**BTA12-700B**  
STMicroelectronics

**BTA12-800CW3G**  
Littelfuse Inc.  
TRIAC 800V 12A TO220AB

**BTA12-800BW3G**  
onsemi  
SNUBBERLESS TRIAC, 800V, 12A, TO

**BTA12-800C**  
HSDQ



**BTA12-800BW**  
STMicroelectronics

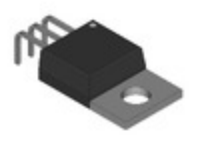


**BTA12-700BRG**  
STMicroelectronics  
TRIAC 700V 12A TO220AB



**BTA12-700SWRG**  
STMicroelectronics  
TRIAC SENS GATE 700V 12A TO220AB

**BTA12-700S**  
STMicroelectronics



**BTA12-800BWRG**  
STMicroelectronics  
TRIAC ALTERNISTOR 800V TO220AB

**BTA12-800CW3G**  
onsemi  
SNUBBERLESS TRIAC, 800V, 12A, TO



**BTA12-700BWRG**  
STMicroelectronics  
TRIAC ALTERNISTOR 700V TO220AB



**BTA12-800CWRG**  
STMicroelectronics  
TRIAC ALTERNISTOR 800V TO220AB



**BTA12-800**  
HSDQ



**BTA12-800B**  
HSDQ



**BTA12-700CRG**  
STMicroelectronics  
DISCRETE



**BTA12-700SW**  
STMicroelectronics

## 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

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