

Image may be representation.  
See specifications for product details.



## TYN1012RG

Manufacturer Part Number	<b>TYN1012RG</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-TYN1012RG
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	SCR 1KV 12A TO220AB
Package	TO-220-3
Data sheet	<b>TN1215, TYNx12 Datasheet.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

TYN1012RG - STMicroelectronics.New Original in Stock. Download Linear Technology TYN1012RG datasheet/specifications on AllelcoElec.com.  
Request a quote for TYN1012RG, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

TYN1012RG Tech Specifications

TYN1012RG - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-40°C ~ 125°C
Voltage - On State (V <sub>tm</sub> ) (Max)	1.6 V	Mounting Type	Through Hole
Voltage - Off State	1 kV	Current - On State (I <sub>t</sub> (RMS)) (Max)	12 A
Voltage - Gate Trigger (V <sub>gt</sub> ) (Max)	1.3 V	Current - On State (I <sub>t</sub> (AV)) (Max)	8 A
Supplier Device Package	TO-220	Current - Off State (Max)	5 µA
Series	-	Current - Non Rep. Surge 50, 60Hz (I <sub>tsm</sub> )	140A, 145A
SCR Type	Standard Recovery	Current - Hold (I <sub>h</sub> ) (Max)	30 mA
Package / Case	TO-220-3	Current - Gate Trigger (I <sub>gt</sub> ) (Max)	15 mA
Package	Tube	Base Product Number	TYN1012

### Parts with Similar Specifications

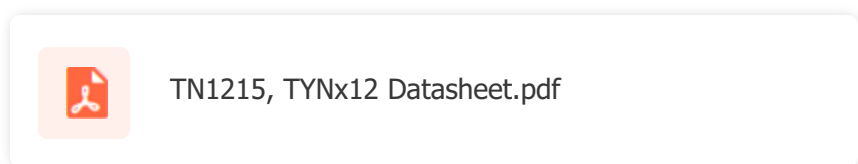
The three parts on the right have similar specifications to STMicroelectronics TYN1012RG

Product Attribute				
Part Number	TYN1012RG	TYN1008RG	TYN058RG	TYN1012TRG
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Current - Gate Trigger (I <sub>gt</sub> ) (Max)	15 mA	25 mA	25 mA	5 mA
Current - Hold (I <sub>h</sub> ) (Max)	30 mA	45 mA	45 mA	15 mA
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Current - Non Rep. Surge 50, 60Hz (I <sub>tsm</sub> )	140A, 145A	80A, 84A	80A, 84A	140A, 145A
Voltage - Gate Trigger (V <sub>gt</sub> ) (Max)	1.3 V	1.5 V	1.5 V	1.3 V
Voltage - On State (V <sub>tm</sub> ) (Max)	1.6 V	1.6 V	1.6 V	1.6 V
Supplier Device Package	TO-220	TO-220	TO-220	TO-220
Current - On State (I <sub>t</sub> (AV)) (Max)	8 A	5 A	5 A	8 A
SCR Type	Standard Recovery	Standard Recovery	Standard Recovery	Standard Recovery
Current - On State (I <sub>t</sub> (RMS)) (Max)	12 A	8 A	8 A	12 A
Current - Off State (Max)	5 µA	5 µA	5 µA	5 µA
Base Product Number	TYN1012	TYN1008	TYN058	TYN1012
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Voltage - Off State	1 kV	1 kV	50 V	1 kV
Series	-	-	-	-
Package / Case	TO-220-3	TO-220-3	TO-220-3	TO-220-3
Package	Tube	Tube	Tube	Tube

### TYN1012RG Datasheet PDF

Download TYN1012RG pdf datasheets and STMicroelectronics documentation for TYN1012RG - STMicroelectronics.

#### HTML Datasheet



### Customers Also Interested in

#### Recommended Products



**TYN112**  
STMicroelectronics



**TYN1212**  
STMicroelectronics



**TYN1004RG**  
TOOHONG



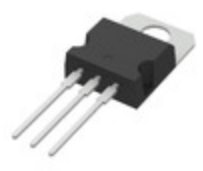
**TYN1025**  
STMicroelectronics



**TYN1016RG**  
STMicroelectronics



**TYN1008RG**  
STMicroelectronics  
SCR 1KV 8A TO220AB



**TYN058RG**  
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SCR 50V 8A TO220AB

**TYN16-600CT**  
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**TYN0512RG**  
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**TYN1025RG**  
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**TYN0512**  
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**TYN1012TRG**  
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SCR 1KV 12A TO220AB

**TYN1225**  
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**TYN1006RG**  
STMicroelectronics  
SCR 1KV 6A TO220AB

**TYN1225RG**  
STMicroelectronics  
SCR 1.2KV 25A TO220AB

**TYN1040RG**  
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
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info@allelco.com

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