

Image may be representation.  
See specifications for product details.



## VS-40TPS12-M3

Manufacturer Part Number	<b>VS-40TPS12-M3</b>
Manufacturer	<b>Vishay General Semiconductor – Diodes Division</b>
Allelco Part Number	32D-VS-40TPS12-M3
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	SCR 1.2KV 55A TO247AC
Package	TO-247-3
Data sheet	<b>Cylindrical Battery Holders.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

VS-40TPS12-M3 - Vishay General Semiconductor - Diodes Division. New Original in Stock. Download Linear Technology VS-40TPS12-M3 datasheet/specifications on AllelcoElec.com.  
Request a quote for VS-40TPS12-M3, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

VS-40TPS12-M3 Tech Specifications

VS-40TPS12-M3 - Vishay General Semiconductor - Diodes Division technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Vishay General Semiconductor – Diodes Division	Operating Temperature	-40°C ~ 125°C
Voltage - On State (V <sub>tm</sub> ) (Max)	1.85 V	Mounting Type	Through Hole
Voltage - Off State	1.2 kV	Current - On State (I <sub>t</sub> (RMS)) (Max)	55 A
Voltage - Gate Trigger (V <sub>gt</sub> ) (Max)	2.5 V	Current - On State (I <sub>t</sub> (AV)) (Max)	35 A
Supplier Device Package	TO-247AC	Current - Off State (Max)	500 µA
Series	-	Current - Non Rep. Surge 50, 60Hz (I <sub>tsm</sub> )	500A @ 50Hz
SCR Type	Standard Recovery	Current - Hold (I <sub>h</sub> ) (Max)	200 mA
Package / Case	TO-247-3	Current - Gate Trigger (I <sub>gt</sub> ) (Max)	150 mA
Package	Tube	Base Product Number	40TPS12

## Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay General Semiconductor - Diodes Division VS-40TPS12-M3

Product Attribute				
Part Number	VS-40TPS12-M3	VS-40TPS12A-M3	VS-40TTS12PBF	VS-40TPS16-M3
Manufacturer	Vishay General Semiconductor - Diodes Division	Vishay General Semiconductor - Diodes Division	Vishay General Semiconductor - Diodes Division	Vishay General Semiconductor - Diodes Division
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Package / Case	TO-247-3	TO-247-3	TO-220-3	TO-247-3
Voltage - On State (V <sub>tm</sub> ) (Max)	1.85 V	1.85 V	1.6 V	1.85 V
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 140°C	-40°C ~ 125°C
Current - Hold (I <sub>h</sub> ) (Max)	200 mA	200 mA	100 mA	200 mA
Current - On State (I <sub>t</sub> (RMS)) (Max)	55 A	55 A	40 A	55 A
Series	-	-	-	-
Package	Tube	Tube	Tube	Tube
Voltage - Off State	1.2 kV	1.2 kV	1.2 kV	1.6 kV
Current - On State (I <sub>t</sub> (AV)) (Max)	35 A	35 A	25 A	35 A
Current - Off State (Max)	500 µA	500 µA	500 µA	500 µA
Voltage - Gate Trigger (V <sub>gt</sub> ) (Max)	2.5 V	2.5 V	1.3 V	2.5 V
Current - Gate Trigger (I <sub>gt</sub> ) (Max)	150 mA	150 mA	35 mA	150 mA
Base Product Number	40TPS12	40TPS12	40TTS12	40TPS16
Supplier Device Package	TO-247AC	TO-247AC	TO-220-3	TO-247AC
Current - Non Rep. Surge 50, 60Hz (I <sub>tsm</sub> )	500A @ 50Hz	500A @ 50Hz	300A @ 50Hz	500A @ 50Hz
SCR Type	Standard Recovery	Standard Recovery	Standard Recovery	Standard Recovery

## VS-40TPS12-M3 Datasheet PDF

Download VS-40TPS12-M3 pdf datasheets and Vishay General Semiconductor - Diodes Division documentation for VS-40TPS12-M3 - Vishay General Semiconductor - Diodes Division.

### PCN Other

2.73KHz.pdf

### HTML Datasheet



















Cylindrical Battery Holders.pdf

### PCN Assembly/Origin

2.73KHz.pdf

## Customers Also Interested in

### Recommended Products

					
<b>VS-40L15CTPBF</b> Vishay General Semiconductor - Diodes Division DIODE ARRAY SCHOTTKY 15V TO220AB	<b>VS-40TPS12A-M3</b> Vishay General Semiconductor - Diodes Division SCR 1.2KV 55A TO247AC	<b>VS-40HFR120</b> Vishay General Semiconductor - Diodes Division DIODE GEN PURP 1.2KV 40A DO203AB	<b>VS-40HF80</b> Vishay General Semiconductor - Diodes Division DIODE GEN PURP 800V 40A DO203AB	<b>VS-40TTS12PBF</b> Vishay General Semiconductor - Diodes Division SCR 1.2KV 40A TO220AB	<b>VS-40L15CTSTRLPBF</b> Vishay General Semiconductor - Diodes Division DIODE ARRAY SCHOTTKY 15V D2PAK
					
<b>VS-40HF10</b> Vishay General Semiconductor - Diodes Division DIODE GEN PURP 100V 40A DO203AB	<b>VS-40TPS16-M3</b> Vishay General Semiconductor - Diodes Division SCR 1.6KV 55A TO247AC	<b>VS-40EPS12PBF</b> Vishay General Semiconductor - Diodes Division DIODE GP 1.2KV 40A TO247AC	<b>VS-40TPS12AP-S1</b> Vishay General Semiconductor - Diodes Division SCR 1.2KV 40A TO247	<b>VS-40TTS12-M3</b> Vishay General Semiconductor - Diodes Division SCR 1.2KV 40A TO220AB	<b>VS-40HF160M</b> Vishay General Semiconductor - Diodes Division DIODE GEN PURP 1.6KV 40A DO203AB
					
<b>VS-40L15CWPBF</b> Vishay General Semiconductor - Diodes Division DIODE ARRAY SCHOTTKY 15V TO247AC	<b>VS-40L15CT-M3</b> Vishay General Semiconductor - Diodes Division DIODE ARRAY SCHOTTKY 15V TO220AB	<b>VS-42CTQ030PBF</b> Vishay General Semiconductor - Diodes Division DIODE ARRAY SCHOTTKY 30V TO220AB	<b>VS-42CTQ030STRL-M3</b> Vishay General Semiconductor - Diodes Division DIODE SCHOTTKY 30V 20A D2PAK	<b>VS-40TPS08PBF</b> Vishay General Semiconductor - Diodes Division SCR 800V 55A TO247AC	<b>VS-43CTQ100PBF</b> Vishay General Semiconductor - Diodes Division DIODE ARRAY SCHOTTKY 100V TO220

## 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



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