

Image may be representation.  
See specifications for product details.



## SZMM5Z12VT1G

Manufacturer Part Number	<b>SZMM5Z12VT1G</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-SZMM5Z12VT1G
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	DIODE ZENER 12V 500MW SOD523
Package	SC-79, SOD-523
Data sheet	<b>MM5ZyyyT1G, SZMM5ZyyyT1G Series.pdf</b> <b>MM5ZyyyT1G, SZMM5ZyyyT1G Series.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

SZMM5Z12VT1G - onsemi.New Original in Stock. Download Linear Technology SZMM5Z12VT1G datasheet/specifications on AllelcoElec.com.  
Request a quote for SZMM5Z12VT1G, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

SZMM5Z12VT1G Tech Specifications  
SZMM5Z12VT1G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Package / Case	SC-79, SOD-523
Voltage - Zener (Nom) (Vz)	12 V	Package	Tape & Reel (TR)
Voltage - Forward (Vf) (Max) @ If	900 mV @ 10 mA	Operating Temperature	-65°C ~ 150°C
Tolerance	±5%	Mounting Type	Surface Mount
Supplier Device Package	SOD-523	Impedance (Max) (Zzt)	25 Ohms
Series	Automotive, AEC-Q101	Current - Reverse Leakage @ Vr	100 nA @ 8 V
Power - Max	500 mW	Base Product Number	SZMM5Z12

### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi SZMM5Z12VT1G

Product Attribute				
Part Number	SZMM5Z12VT1G	<b>SZMM5Z3V3T1G</b>	<b>SZMM5Z30VT1G</b>	<b>SZMM5Z13VT1G</b>
Manufacturer	onsemi	onsemi	onsemi	onsemi
Operating Temperature	-65°C ~ 150°C	-65°C ~ 150°C	-65°C ~ 150°C	-65°C ~ 150°C
Voltage - Zener (Nom) (Vz)	12 V	3.3 V	30 V	13.25 V
Power - Max	500 mW	500 mW	500 mW	500 mW
Voltage - Forward (Vf) (Max) @ If	900 mV @ 10 mA	900 mV @ 100 mA	900 mV @ 10 mA	900 mV @ 10 mA
Current - Reverse Leakage @ Vr	100 nA @ 8 V	5 µA @ 1 V	50 nA @ 21 V	100 nA @ 8 V
Series	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101
Package / Case	SC-79, SOD-523	SC-79, SOD-523	SC-79, SOD-523	SC-79, SOD-523
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	SOD-523	SOD-523	SOD-523	SOD-523
Tolerance	±5%	±6.1%	±6.7%	±6.4%
Base Product Number	SZMM5Z12	SZMM5	SZMM5Z30	SZMM5
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Impedance (Max) (Zzt)	25 Ohms	95 Ohms	80 Ohms	30 Ohms

### SZMM5Z12VT1G Datasheet PDF

Download SZMM5Z12VT1G pdf datasheets and onsemi documentation for SZMM5Z12VT1G - onsemi.

#### Datasheets

[MM5ZyyyT1G, SZMM5ZyyyT1G Series.pdf](#)

#### Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)

#### HTML Datasheet

[MM5ZyyyT1G, SZMM5ZyyyT1G Series.pdf](#)

#### PCN Design/Specification

[Cancellation 05/Aug/2021.pdf](#)

[Mult Changes 09/Sep/2020.pdf](#)

#### PCN Packaging



















[Taping Option Devices 24/Sep/2019.pdf](#)

#### PCN Assembly/Origin

[PCN Assembly/Origin](#)

## Customers Also Interested in

### Recommended Products

					
<b>SZMM5Z3V3T1G</b> onsemi DIODE ZENER 3.3V 500MW SOD523	<b>SZMM5Z30VT1G</b> onsemi DIODE ZENER 30V 500MW SOD523	<b>SZMM5Z13VT1G</b> onsemi DIODE ZENER 13.25V 500MW SOD523	<b>SZMM5Z20VT1G</b> onsemi DIODE ZENER 20V 500MW SOD523	<b>SZMM3Z75VT1G</b> onsemi DIODE ZENER 75V 300MW SOD323	<b>SZMM5Z15VT1G</b> onsemi DIODE ZENER 15V 500MW SOD523
					
<b>SZMM3Z9V1T1G</b> onsemi DIODE ZENER 9.1V 300MW SOD323	<b>SZMM5Z27VT1G</b> onsemi DIODE ZENER 27V 500MW SOD523	<b>SZMM3Z8V2T1G</b> onsemi DIODE ZENER 8.2V 300MW SOD323	<b>SZMM5Z10VT1G</b> onsemi DIODE ZENER 10V 500MW SOD523	<b>SZMM3Z7V5T1G</b> onsemi DIODE ZENER 7.5V 300MW SOD323	<b>SZMM5Z18VT1G</b> onsemi DIODE ZENER 18V 500MW SOD523
					
<b>SZMM5Z3V6T1G</b> onsemi DIODE ZENER 3.6V 500MW SOD523	<b>SZMM3Z7V5ST1G</b> onsemi DIODE ZENER 7.5V 300MW SOD323	<b>SZMM5Z36VT1G</b> onsemi DIODE ZENER 36V 500MW SOD523	<b>SZMM3Z6V8T1G</b> onsemi DIODE ZENER 6.8V 300MW SOD323	<b>SZMM3Z6V8ST1G</b> onsemi DIODE ZENER 6.8V 300MW SOD323	<b>SZMM5Z16VT1G</b> onsemi DIODE ZENER 16V 500MW SOD523

## 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

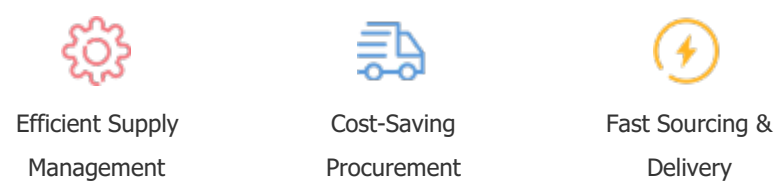
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### 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



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