

Image may be representation.  
See specifications for product details.



## 1SMB51AT3G

Manufacturer Part Number	<b>1SMB51AT3G</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-1SMB51AT3G
ECAD Model	Request Free CAD Models
Parts Description	TVS DIODE 51VWM 82.4VC 425TEPBGA
Package	DO-214AA, SMB
Data sheet	1SMB51AT3G.pdf
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

1SMB51AT3G - onsemi.New Original in Stock. Download Linear Technology 1SMB51AT3G datasheet/specifications on AllelcoElec.com.  
Request a quote for 1SMB51AT3G, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

1SMB51AT3G Tech Specifications

1SMB51AT3G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Power - Peak Pulse	600W
Voltage - Reverse Standoff (Typ)	51V	Package / Case	DO-214AA, SMB
Voltage - Clamping (Max) @ Ipp	82.4V	Package	Bulk
Voltage - Breakdown (Min)	56.7V	Operating Temperature	-65°C ~ 150°C (TJ)
Unidirectional Channels	1	Mounting Type	Surface Mount
Type	Zener	Current - Peak Pulse (10/1000µs)	7.3A
Supplier Device Package	SMB	Capacitance @ Frequency	345pF @ 1MHz
Series	-	Applications	Telecom
Power Line Protection	No		

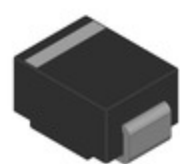
### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi 1SMB51AT3G

Product Attribute				
Part Number	1SMB51AT3G	1SMB51CAT3G	1SMB51AT3G	1SMB51AT3
Manufacturer	onsemi	onsemi	Littelfuse Inc.	onsemi
Voltage - Clamping (Max) @ Ipp	82.4V	82.4V	82.4V	82.4V
Power Line Protection	No	No	No	No
Operating Temperature	-65°C ~ 150°C (TJ)	-65°C ~ 150°C (TJ)	-65°C ~ 150°C (TJ)	-65°C ~ 150°C (TJ)
Voltage - Reverse Standoff (Typ)	51V	51V	51V	51V
Package	Bulk	Bulk	Tape & Reel (TR)	Tape & Reel (TR)
Applications	Telecom	General Purpose	General Purpose	General Purpose
Package / Case	DO-214AA, SMB	DO-214AA, SMB	DO-214AA, SMB	DO-214AA, SMB
Power - Peak Pulse	600W	600W	600W	600W
Series	-	-	-	-
Supplier Device Package	SMB	SMB	SMB	SMB
Unidirectional Channels	1	-	1	1
Type	Zener	Zener	Zener	Zener
Current - Peak Pulse (10/1000µs)	7.3A	7.3A	7.3A	7.3A
Capacitance @ Frequency	345pF @ 1MHz	175pF @ 1MHz	345pF @ 1MHz	345pF @ 1MHz
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Breakdown (Min)	56.7V	56.7V	56.7V	56.7V

### Customers Also Interested in

#### Recommended Products



**1SMB51CAT3G**

onsemi  
TVS DIODE 51VWM 82.4VC SMB



**1SMB51AT3G**

Littelfuse Inc.  
TVS DIODE 51VWM 82.4VC SMB



NO PICTURE

**1SMB51CA**

SUNMATE



NO PICTURE

**1SMB5324BT3G**

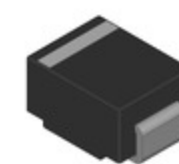
AMI Semiconductor/onsemi



NO PICTURE

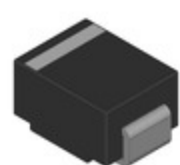
**1SMB48A**

SUNMATE



**1SMB51AT3**

onsemi  
TVS DIODE 51VWM 82.4VC SMB



**1SMB48CAT3G**

onsemi  
TVS DIODE 48VWM 77.4VC 425TEPBGA



NO PICTURE

**1SMB54A**

SUNMATE



**1SMB5.0AT3**

onsemi  
TVS DIODE 5V 9.2V SMB



NO PICTURE

**1SMB51A**

SUNMATE



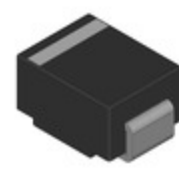
**1SMB48CAT3G**

Littelfuse Inc.  
TVS DIODE 48VWM 77.4VC SMB



**1SMB51CAT3**

onsemi  
TVS DIODE 51VWM 82.4VC SMB

**1SMB5.0AT3G**Littelfuse Inc.  
TVS DIODE 5VWM 9.2VC SMB**1SMB54AT3**onsemi  
TVS DIODE 54VWM 87.1VC SMB**1SMB48AT3G**Littelfuse Inc.  
TVS DIODE 48VWM 77.4VC SMB**1SMB54AT3G**onsemi  
TVS DIODE 54VWM 87.1VC SMB**1SMB51CAT3G**Littelfuse Inc.  
TVS DIODE 51VWM 82.4VC SMB**1SMB54AT3G**Littelfuse Inc.  
TVS DIODE 54VWM 87.1VC SMB

## 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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