



Image may be representation.  
See specifications for product details.



## SM6T100A

Manufacturer Part Number	<b>SM6T100A</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-SM6T100A
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	TVS DIODE 85.5VWM 178VC SMB
Package	DO-214AA, SMB
Data sheet	<b>SM6T.pdf</b>
RoHs Status	ROHS3 Compliant

**Get a Quote**

SM6T100A - STMicroelectronics.New Original in Stock. Download Linear Technology SM6T100A datasheet/specifications on AllelcoElec.com.  
Request a quote for SM6T100A, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

SM6T100A Tech Specifications

SM6T100A - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Power - Peak Pulse	600W
Voltage - Reverse Standoff (Typ)	85.5V	Package / Case	DO-214AA, SMB
Voltage - Clamping (Max) @ Ipp	178V	Package	Tape & Reel (TR)
Voltage - Breakdown (Min)	95V	Operating Temperature	-55°C ~ 150°C (TJ)
Unidirectional Channels	1	Mounting Type	Surface Mount
Type	Zener	Current - Peak Pulse (10/1000µs)	22.5A (8/20µs)
Supplier Device Package	SMB (DO-214AA)	Capacitance @ Frequency	-
Series	SM6T, TRANSIL™	Base Product Number	SM6T100
Power Line Protection	No	Applications	General Purpose

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics SM6T100A

Product Attribute				
Part Number	SM6T100A	<a href="#">SM6T100A-E3/52</a>	<a href="#">SM6T10A</a>	<a href="#">SM6S36A-E3/2D</a>
Manufacturer	STMicroelectronics	Vishay General Semiconductor - Diodes Division	STMicroelectronics	Vishay General Semiconductor - Diodes Division
Type	Zener	Zener	Zener	Zener
Series	SM6T, TRANSIL™	SM6T, TransZorb®	SM6T, TRANSIL™	PAR®
Voltage - Clamping (Max) @ Ipp	178V	137V	18.6V	58.1V
Capacitance @ Frequency	-	-	-	-
Power - Peak Pulse	600W	600W	600W	4600W (4.6kW)
Supplier Device Package	SMB (DO-214AA)	DO-214AA (SMBJ)	SMB (DO-214AA)	DO-218AB
Base Product Number	SM6T100	SM6T100	SM6T10	SM6S36
Current - Peak Pulse (10/1000µs)	22.5A (8/20µs)	4.4A	215A (8/20µs)	79A
Voltage - Reverse Standoff (Typ)	85.5V	85.5V	8.55V	36V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Unidirectional Channels	1	1	1	1
Applications	General Purpose	General Purpose	General Purpose	General Purpose
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Package / Case	DO-214AA, SMB	DO-214AA, SMB	DO-214AA, SMB	DO-218AB
Operating Temperature	-55°C ~ 150°C (TJ)	-65°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)
Voltage - Breakdown (Min)	95V	95V	9.5V	40V
Power Line Protection	No	No	No	No

### SM6T100A Datasheet PDF

Download SM6T100A pdf datasheets and STMicroelectronics documentation for SM6T100A - STMicroelectronics.

#### PCN Packaging

[Box Label Chg 28/Jul/2016.pdf](#)

#### PCN Assembly/Origin

[Mult Dev 06/Mar/2020.pdf](#)

#### HTML Datasheet

[SM6T.pdf](#)

#### Other Related Documents

## Customers Also Interested in

### Recommended Products

					
<b>SM6T100A-E3/52</b> Vishay General Semiconductor - Diodes Division TVS DIODE 85.5VWM 137VC DO214AA	<b>SM6T10A</b> STMicroelectronics TVS DIODE 8.55VWM 18.6VC SMB	<b>SM6S36A-E3/2D</b> Vishay General Semiconductor - Diodes Division TVS DIODE 36VWM 58.1VC DO218AB	<b>SM6S36A-AU_R2_000A1</b> Panjit International Inc. 4.6KW SURFACE MOUNT TRANSIENT VO	<b>SM6T100A-TR</b> STMicroelectronics	<b>SM6S33A-E3/2D</b> Vishay General Semiconductor - Diodes Division TVS DIODE 33VWM 53.3VC DO218AB
					
<b>SM6S36AHE3_A/I</b> Vishay General Semiconductor - Diodes Division TVS DIODE 36VWM 58.1VC DO218AB	<b>SM6T100CA-E3/52</b> Vishay General Semiconductor - Diodes Division TVS DIODE 85.5VWM 137VC DO214AA	<b>SM6S33ATHE3/I</b> Vishay General Semiconductor - Diodes Division TVS DIODE 33VWM 53.3VC DO218AC	<b>SM6T100CA</b> STMicroelectronics TVS DIODE 85.5VWM 178VC SMB	<b>SM6T10CA-E3/52</b> Vishay General Semiconductor - Diodes Division TVS DIODE 8.55VWM 14.5VC DO214AA	<b>SM6T100CA-TR</b> STMicroelectronics
					
<b>SM6S33AHE3_A/I</b> Vishay General Semiconductor - Diodes Division TVS DIODE 33VWM 53.3VC DO218AB	<b>SM6T10CA</b> STMicroelectronics TVS DIODE 8.55VWM 18.6VC SMB	<b>SM6S36ATHE3/I</b> Vishay General Semiconductor - Diodes Division TVS DIODE 36VWM 58.1VC DO218AC	<b>SM6S36AHE3/2D</b> Vishay General Semiconductor - Diodes Division TVS DIODE 36VWM 58.1VC DO218AB	<b>SM6T10A/DP</b> STMicroelectronics	<b>SM6S33AHE3/2D</b> Vishay General Semiconductor - Diodes Division TVS DIODE 33VWM 53.3VC DO218AB

## 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 Alleco 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
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Contact us if you have any questions.

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### Certifications & Memberships



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### Contact us

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