



Image may be representation.  
See specifications for product details.



## SM6T18AY

Manufacturer Part Number	<b>SM6T18AY</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-SM6T18AY
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	TVS DIODE 15.3VWM 32.5VC SMB
Package	DO-214AA, SMB
Data sheet	<b>SM6TY.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

SM6T18AY - STMicroelectronics.New Original in Stock. Download Linear Technology SM6T18AY datasheet/specifications on AllelcoElec.com.  
Request a quote for SM6T18AY, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

SM6T18AY Tech Specifications

SM6T18AY - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Power - Peak Pulse	600W
Voltage - Reverse Standoff (Typ)	15.3V	Package / Case	DO-214AA, SMB
Voltage - Clamping (Max) @ Ipp	32.5V	Package	Tape & Reel (TR)
Voltage - Breakdown (Min)	17.1V	Operating Temperature	-55°C ~ 150°C (TJ)
Unidirectional Channels	1	Mounting Type	Surface Mount
Type	Zener	Current - Peak Pulse (10/1000µs)	123A (8/20µs)
Supplier Device Package	SMB (DO-214AA)	Capacitance @ Frequency	-
Series	Automotive, AEC-Q101, SM6TY, TRANSIL™	Base Product Number	SM6T18
Power Line Protection	No	Applications	Automotive

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics SM6T18AY

Product Attribute				
Part Number	SM6T18AY	SM6T200CA	SM6T15CA-E3/52	SM6T18CA-E3/52
Manufacturer	STMicroelectronics	STMicroelectronics	Vishay General Semiconductor - Diodes Division	Vishay General Semiconductor - Diodes Division
Package / Case	DO-214AA, SMB	DO-214AA, SMB	DO-214AA, SMB	DO-214AA, SMB
Voltage - Breakdown (Min)	17.1V	190V	14.3V	17.1V
Voltage - Reverse Standoff (Typ)	15.3V	171V	12.8V	15.3V
Voltage - Clamping (Max) @ Ipp	32.5V	353V	21.2V	25.2V
Applications	Automotive	General Purpose	General Purpose	General Purpose
Type	Zener	Zener	Zener	Zener
Current - Peak Pulse (10/1000µs)	123A (8/20µs)	11.3A (8/20µs)	28A	24A
Supplier Device Package	SMB (DO-214AA)	SMB (DO-214AA)	DO-214AA (SMBJ)	DO-214AA (SMBJ)
Capacitance @ Frequency	-	-	-	-
Base Product Number	SM6T18	SM6T200	SM6T15	SM6T18
Power - Peak Pulse	600W	600W	600W	600W
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Unidirectional Channels	1	-	-	-
Power Line Protection	No	No	No	No
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Series	Automotive, AEC-Q101, SM6TY, TRANSIL™	SM6T, TRANSIL™	SM6T, TransZorb®	SM6T, TransZorb®
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-65°C ~ 150°C (TJ)	-65°C ~ 150°C (TJ)

### SM6T18AY Datasheet PDF

Download SM6T18AY pdf datasheets and STMicroelectronics documentation for SM6T18AY - STMicroelectronics.

#### PCN Assembly/Origin

2.73KHz.pdf

#### HTML Datasheet

SM6TY.pdf

#### Other Related Documents

SM6TY View All Specifications.pdf

### Customers Also Interested in

## Recommended Products

					
<b>SM6T200CA</b> STMicroelectronics TVS DIODE 171VWM 353VC SMB	<b>SM6T15CA-E3/52</b> Vishay General Semiconductor - Diodes Division TVS DIODE 12.8VWM 21.2VC DO214AA	<b>SM6T18CA-E3/52</b> Vishay General Semiconductor - Diodes Division TVS DIODE 15.3VWM 25.2VC DO214AA	<b>SM6T18A-TR</b> STMicroelectronics	<b>SM6T18CA</b> STMicroelectronics TVS DIODE 15.3VWM 32.5VC SMB	<b>SM6T18CA-TR</b> STMicroelectronics
					
<b>SM6T16A</b> STMicroelectronics TVS DIODE SMB	<b>SM6T200A</b> STMicroelectronics TVS DIODE 171VWM 353VC SMB	<b>SM6T200A-TR</b> STMicroelectronics	<b>SM6T18A</b> STMicroelectronics TVS DIODE 15.3VWM 32.5VC SMB	<b>SM6T15A-TR</b> STMicroelectronics	<b>SM6T16CA</b> SUNMATE
					
<b>SM6T200A-E3/5B</b> Vishay General Semiconductor - Diodes Division TVS DIODE 171VWM 274VC DO214AA	<b>SM6T200A-E3/52</b> Vishay General Semiconductor - Diodes Division TVS DIODE 171VWM 274VC DO214AA	<b>SM6T15CA</b> STMicroelectronics TVS DIODE 12.8VWM 27.2VC SMB	<b>SM6T200CA-E3</b> Electro-Films (EFI) / Vishay	<b>SM6T18A-E3/52</b> Vishay General Semiconductor - Diodes Division TVS DIODE 15.3VWM 25.2VC DO214AA	<b>SM6T15CA-TR</b> 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.

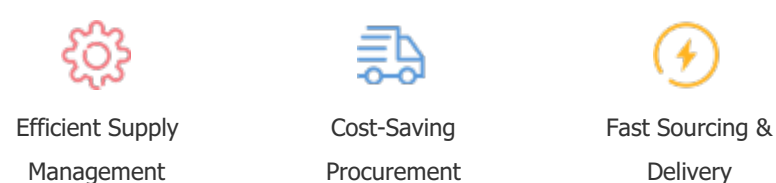
## Payment Support

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 -



Contact us if you have any questions.



## Certifications & Memberships



View More