

Image may be representation.  
See specifications for product details.



## ESD5205P6T6G

Manufacturer Part Number	<b>ESD5205P6T6G</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-ESD5205P6T6G
ECAD Model	Request Free CAD Models
Parts Description	TVS DIODE 5VWM 10VC SOT963
Package	SOT-963
Data sheet	<a href="#">Cylindrical Battery Holders.pdf</a>
	<a href="#">Cylindrical Battery Holders.pdf</a>
RoHs Status	ROHS3 Compliant

**Get a Quote**

ESD5205P6T6G - onsemi.New Original in Stock. Download Linear Technology ESD5205P6T6G datasheet/specifications on AllelcoElec.com.  
Request a quote for ESD5205P6T6G, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

ESD5205P6T6G Tech Specifications  
ESD5205P6T6G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Power - Peak Pulse	18W
Voltage - Reverse Standoff (Typ)	5V (Max)	Package / Case	SOT-963
Voltage - Clamping (Max) @ Ipp	10V	Package	Tape & Reel (TR)
Voltage - Breakdown (Min)	5.5V	Operating Temperature	-55°C ~ 125°C (TJ)
Unidirectional Channels	5	Mounting Type	Surface Mount
Type	Zener	Current - Peak Pulse (10/1000µs)	2A (8/20µs)
Supplier Device Package	SOT-963	Capacitance @ Frequency	9pF @ 1MHz
Series	-	Base Product Number	ESD52
Power Line Protection	No	Applications	General Purpose

### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi ESD5205P6T6G

Product Attribute				
Part Number	ESD5205P6T6G	ESD5111FCT5G	ESD5101FCT5G	ESD401DPYR
Manufacturer	onsemi	onsemi	onsemi	Texas Instruments
Capacitance @ Frequency	9pF @ 1MHz	5.5pF @ 1MHz	5.5pF @ 1MHz	-
Type	Zener	Steering (Rail to Rail)	Zener	Zener
Unidirectional Channels	5	1	-	-
Power - Peak Pulse	18W	-	-	67W
Voltage - Breakdown (Min)	5.5V	3.68V	3.68V	7.5V
Series	-	-	-	-
Current - Peak Pulse (10/1000µs)	2A (8/20µs)	16A (100ns)	-	4.5A (8/20µs)
Voltage - Reverse Standoff (Typ)	5V (Max)	3.3V (Max)	3.3V (Max)	5.5V (Max)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	SOT-963	2-WLCSP (0.6x0.3)	2-DSN (0.44x0.23)	2-X1SON (1x.60)
Power Line Protection	No	No	No	No
Package / Case	SOT-963	2-XFBGA, WLCSP	01005 (0402 Metric)	0402 (1006 Metric)
Base Product Number	ESD52	ESD5111	ESD5101	ESD401
Applications	General Purpose	General Purpose	General Purpose	General Purpose
Operating Temperature	-55°C ~ 125°C (TJ)	-55°C ~ 125°C (TJ)	-55°C ~ 125°C (TJ)	-40°C ~ 125°C (TA)
Voltage - Clamping (Max) @ Ipp	10V	6.5V	6.5V (Typ)	24V (Typ)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)

### ESD5205P6T6G Datasheet PDF

Download ESD5205P6T6G pdf datasheets and onsemi documentation for ESD5205P6T6G - onsemi.

#### Datasheets

[Cylindrical Battery Holders.pdf](#)

#### Environmental Information

[onsemi RoHS.pdf](#)

[Material Declaration ESD5205P6T6G.pdf](#)

#### PCN Obsolescence/ EOL






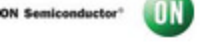
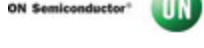




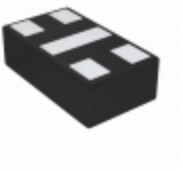






[Mult Dev EOL 10/Mar/2021.pdf](#)

[Mult Dev EOL 30/Jun/2020.pdf](#)

#### HTML Datasheet

## Customers Also Interested in

### Recommended Products

 NO PICTURE	 NO PICTURE	 NO PICTURE	 NO PICTURE		
<b>ESD5231N-2/TR</b> WILLSEM	<b>ESD5302F</b>	<b>ESD5251N-2/TR</b> WILLSEMI	<b>ESD5301N-2</b> W/SEMI	<b>ESD5111FCT5G</b> onsemi TVS DIODE 3.3VWM 6.5VC 2WLCSP	<b>ESD5111PGCT5G</b> AMI Semiconductor/onsemi
	 NO PICTURE			 NO PICTURE	
<b>ESD5101FCT5G</b> onsemi TVS DIODE 3.3VWM 6.5VC 2DSN	<b>ESD48V32D-C</b> Semitehelec	<b>ESD401DPYR</b> Texas Instruments TVS DIODE 5.5VWM 24VC 2X1SON	<b>ESD5111PFCT5G</b> onsemi TVS DIODE 3.3VWM 6.5VC 2WLCSP	<b>ESD5301Z</b> WILL/PL	<b>ESD5004MXTBG</b> onsemi TVS DIODE 3.3VWM 9.1VC 4X3DFN
 NO PICTURE	 NO PICTURE	 NO PICTURE	 NO PICTURE	 NO PICTURE	 NO PICTURE
<b>ESD5301N-2/TR</b> WILLSEMI	<b>ESD4115KV</b> INPAQ Technology Co., Ltd.	<b>ESD5302F-3/TR</b> WILLSEMI	<b>ESD4-LFC-LF-T73C-1</b> PROTEK	<b>ESD5231N</b> WILL/PL	<b>ESD4-LFC-LF</b> PROTEK

## 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

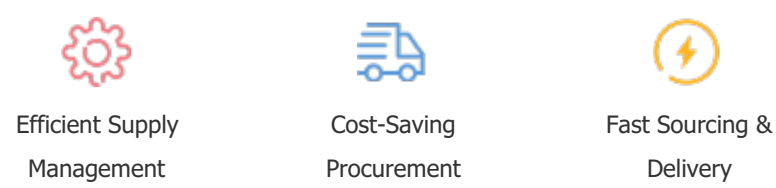
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### Payment Support

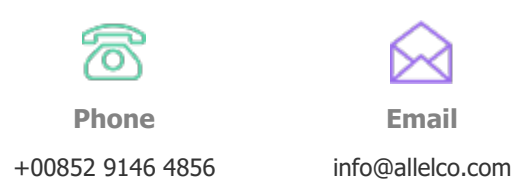
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,  
PayPal.



### Your Faithful Supply Chain Partner -



Contact us if you have any questions.



### Certifications & Memberships



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