



# STPS140ZY

Manufacturer Part Number	<b>STPS140ZY</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STPS140ZY
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	DIODE SCHOTTKY 40V 1A SOD123
Package	SOD-123
Data sheet	<b>STPS140Z-Y.pdf</b>
RoHs Status	 ROHS3 Compliant


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STPS140ZY - STMicroelectronics.New Original in Stock. Download Linear Technology STPS140ZY datasheet/specifications on AllelcoElec.com.

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## Specifications





STPS140ZY Tech Specifications

STPS140ZY - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package	Tape & Reel (TR)
Voltage - Forward (Vf) (Max) @ If	550 mV @ 1 A	Operating Temperature - Junction	-40°C ~ 150°C
Voltage - DC Reverse (Vr) (Max)	40 V	Mounting Type	Surface Mount
Technology	Schottky	Current - Reverse Leakage @ Vr	40 µA @ 400 V
Supplier Device Package	SOD-123	Current - Average Rectified (Io)	1A
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Capacitance @ Vr, F	-
Series	Automotive, AEC-Q101	Base Product Number	STPS140
Package / Case	SOD-123		

## Parts with Similar Specifications

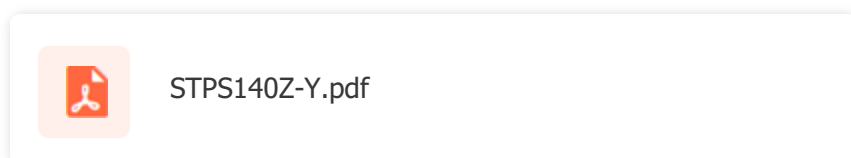
The three parts on the right have similar specifications to STMicroelectronics STPS140ZY

Product Attribute	 NO PICTURE			
Part Number	STPS140ZY	STPS130A	STPS1545D	STPS140A
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Series	Automotive, AEC-Q101	-	-	-
Current - Reverse Leakage @ Vr	40 µA @ 400 V	10 µA @ 30 V	200 µA @ 45 V	12 µA @ 40 V
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount
Base Product Number	STPS140	STPS130	STPS1545	STPS140
Voltage - DC Reverse (Vr) (Max)	40 V	30 V	45 V	40 V
Supplier Device Package	SOD-123	SMA (DO-214AC)	TO-220AC	SMA (DO-214AC)
Voltage - Forward (Vf) (Max) @ If	550 mV @ 1 A	550 mV @ 1 A	840 mV @ 30 A	550 mV @ 1 A
Current - Average Rectified (Io)	1A	1A	15A	1A
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Package / Case	SOD-123	DO-214AC, SMA	TO-220-2	DO-214AC, SMA
Operating Temperature - Junction	-40°C ~ 150°C	150°C (Max)	175°C (Max)	150°C (Max)
Capacitance @ Vr, F	-	-	-	-
Technology	Schottky	Schottky	Schottky	Schottky
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tube	Tape & Reel (TR)

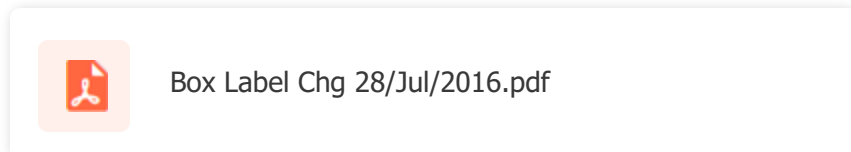
## STPS140ZY Datasheet PDF

Download STPS140ZY pdf datasheets and STMicroelectronics documentation for STPS140ZY - STMicroelectronics.

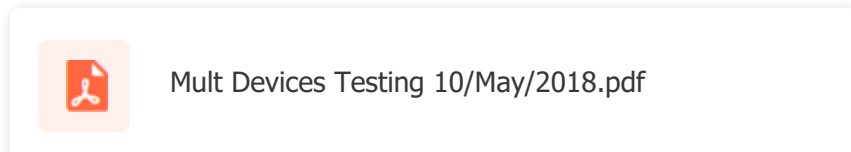
### Datasheets



### PCN Packaging



### PCN Assembly/Origin



## Customers Also Interested in

### Recommended Products



**STPS1545CG-TR**STMicroelectronics  
DIODE ARRAY SCHOTTKY 45V  
D2PAK**STPS140A**STMicroelectronics  
DIODE SCHOTTKY 40V 1A SMA**STPS125U**

STMicroelectronics

**STPS130A**STMicroelectronics  
DIODE SCHOTTKY 30V 1A SMA**STPS140Z**STMicroelectronics  
DIODE SCHOTTKY 40V 1A SOD123**STPS1545CG**STMicroelectronics  
DIODE ARRAY SCHOTTKY 45V  
D2PAK**STPS1545D**STMicroelectronics  
DIODE SCHOTTKY 45V 15A TO220AC**STPS1545CFP**

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**STPS1545**

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**STPS1545CR**STMicroelectronics  
DIODE ARRAY SCHOTTKY 45V I2PAK**STPS130U**STMicroelectronics  
DIODE SCHOTTKY 30V 1A SMB**STPS140Z-Y**

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**STPS1545CG MOS**

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**STPS140UY**STMicroelectronics  
DIODE SCHOTTKY 40V 1A SMB**STPS140AY**STMicroelectronics  
DIODE SCHOTTKY 40V 1A SMA**STPS140A-TR**

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**STPS140U**STMicroelectronics  
DIODE SCHOTTKY 40V 1A SMB**STPS1545CT**STMicroelectronics  
DIODE ARRAY SCHOTTKY 45V  
TO220AB

## 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.



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Contact us if you have any questions.



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Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong

Phone: +00852 9146 4856

Fax: +00852 3010 8510

Email: info@Allelco.com