



Image may be representation.  
See specifications for product details.



## STPS160H100TV

Manufacturer Part Number	<a href="#">STPS160H100TV</a>
Manufacturer	<a href="#">STMicroelectronics</a>
Allelco Part Number	32D-STPS160H100TV
ECAD Model	<a href="#">Request Free CAD Models</a>
Parts Description	DIODE MODULE 100V 80A ISOTOP
Package	ISOTOP
Data sheet	<a href="#">STPS160H100TV.pdf</a>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

STPS160H100TV - STMicroelectronics.New Original in Stock. Download Linear Technology STPS160H100TV datasheet/specifications on AllelcoElec.com.  
Request a quote for STPS160H100TV, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STPS160H100TV Tech Specifications  
STPS160H100TV - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package	Tube
Voltage - Forward (Vf) (Max) @ If	800 mV @ 80 A	Operating Temperature - Junction	150°C (Max)
Voltage - DC Reverse (Vr) (Max)	100 V	Mounting Type	Chassis Mount
Technology	Schottky	Diode Configuration	2 Independent
Supplier Device Package	ISOTOP®	Current - Reverse Leakage @ Vr	40 µA @ 100 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io) (per Diode)	80A
Series	-	Base Product Number	STPS160
Package / Case	ISOTOP		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STPS160H100TV

Product Attribute				
Part Number	STPS160H100TV	<a href="#">STPS16H100CG-TR</a>	<a href="#">STPS16170CB-TR</a>	<a href="#">STPS15L60CB-TR</a>
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Operating Temperature - Junction	150°C (Max)	175°C (Max)	175°C (Max)	150°C (Max)
Current - Average Rectified (Io) (per Diode)	80A	8A	8A	7.5A
Current - Reverse Leakage @ Vr	40 µA @ 100 V	3.6 µA @ 100 V	15 µA @ 170 V	200 µA @ 60 V
Voltage - Forward (Vf) (Max) @ If	800 mV @ 80 A	770 mV @ 8 A	920 mV @ 8 A	620 mV @ 7.5 A
Package	Tube	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Mounting Type	Chassis Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	STPS160	STPS16	STPS16170	STPS15
Series	-	-	-	-
Diode Configuration	2 Independent	1 Pair Common Cathode	1 Pair Common Cathode	1 Pair Common Cathode
Supplier Device Package	ISOTOP®	D2PAK	DPAK	DPAK
Technology	Schottky	Schottky	Schottky	Schottky
Voltage - DC Reverse (Vr) (Max)	100 V	100 V	170 V	60 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Package / Case	ISOTOP	TO-263-3, D²Pak (2 Leads + Tab), TO-263AB	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63

### STPS160H100TV Datasheet PDF

Download STPS160H100TV pdf datasheets and STMicroelectronics documentation for STPS160H100TV - STMicroelectronics.

#### Datasheets

[STPS160H100TV.pdf](#)

#### PCN Design/Specification

[Mult Dev Adv Material Notice 8/Apr/2019.pdf](#)

#### PCN Assembly/Origin

[Mold compound 20/May/2019.pdf](#)

### Customers Also Interested in

#### Recommended Products



**STPS1H100A**STMicroelectronics  
DIODE SCHOTTKY 100V 1A SMA**STPS15L60CB-TR**STMicroelectronics  
DIODE ARRAY SCHOTTKY 60V DPAK**STPS16L45CT**

STMicroelectronics

**STPS16H100CG**STMicroelectronics  
DIODE ARRAY SCHOTTKY 100V D2PAK**STPS16H100CG-TR**STMicroelectronics  
DIODE ARRAY SCHOTTKY 100V D2PAK**STPS16H100CT**

STMicroelectronics

**STPS15L45L**

STMicroelectronics

**STPS15L60CB**STMicroelectronics  
DIODE ARRAY SCHOTTKY 60V DPAK**STPS160A**STMicroelectronics  
DIODE SCHOTTKY 60V 1A SMA**STPS15L45CB-TR**STMicroelectronics  
DIODE ARRAY SCHOTTKY 45V DPAK**STPS16170CB-TR**STMicroelectronics  
DIODE ARRAY SCHOTTKY 170V DPAK**STPS160E**

STMicroelectronics

**STPS16L40CT**STMicroelectronics  
DIODE ARRAY SCHOTTKY 40V TO220AB**STPS160U**STMicroelectronics  
DIODE SCHOTTKY 60V 1A SMB**STPS15L45CB**STMicroelectronics  
DIODE ARRAY SCHOTTKY 45V DPAK**STPS15L45CBY-TR**STMicroelectronics  
DIODE ARRAY SCHOTTKY 45V DPAK**STPS16045TV**STMicroelectronics  
DIODE MODULE 45V 80A ISOTOP**STPS16150CT**STMicroelectronics  
DIODE ARRAY SCHOTTKY 150V TO220

## 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



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### Contact us

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