



Image may be representation.  
See specifications for product details.



## STPS30L45CW

Manufacturer Part Number	<a href="#">STPS30L45CW</a>
Manufacturer	<a href="#">STMicroelectronics</a>
Allelco Part Number	32D-STPS30L45CW
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	DIODE ARRAY SCHOTTKY 45V TO247-3
Package	TO-247-3
Data sheet	<a href="#">STPS30L45C.pdf</a>
RoHs Status	ROHS3 Compliant

**Get a Quote**

STPS30L45CW - STMicroelectronics.New Original in Stock. Download Linear Technology STPS30L45CW datasheet/specifications on AllelcoElec.com.  
Request a quote for STPS30L45CW, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STPS30L45CW Tech Specifications

STPS30L45CW - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package	Tube
Voltage - Forward (Vf) (Max) @ If	550 mV @ 15 A	Operating Temperature - Junction	150°C (Max)
Voltage - DC Reverse (Vr) (Max)	45 V	Mounting Type	Through Hole
Technology	Schottky	Diode Configuration	1 Pair Common Cathode
Supplier Device Package	TO-247-3	Current - Reverse Leakage @ Vr	400 µA @ 45 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io) (per Diode)	15A
Series	-	Base Product Number	STPS30
Package / Case	TO-247-3		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STPS30L45CW

Product Attribute				
Part Number	STPS30L45CW	STPS30L60CW	STPS30L60CW	STPS30L45CR
Manufacturer	STMicroelectronics	STMicroelectronics	Vishay General Semiconductor - Diodes Division	STMicroelectronics
Technology	Schottky	Schottky	Schottky	Schottky
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Package	Tube	Tube	Tube	Tube
Supplier Device Package	TO-247-3	TO-247-3	TO-247AC	I2PAK
Operating Temperature - Junction	150°C (Max)	150°C (Max)	150°C (Max)	150°C (Max)
Base Product Number	STPS30	STPS30L60	STPS30	STPS30L45
Current - Average Rectified (Io) (per Diode)	15A	15A	15A	15A
Current - Reverse Leakage @ Vr	400 µA @ 45 V	480 µA @ 60 V	480 µA @ 60 V	400 µA @ 45 V
Series	-	-	-	-
Package / Case	TO-247-3	TO-247-3	TO-247-3	TO-262-3 Long Leads, I <sup>2</sup> Pak, TO-262AA
Voltage - DC Reverse (Vr) (Max)	45 V	60 V	60 V	45 V
Diode Configuration	1 Pair Common Cathode	1 Pair Common Cathode	1 Pair Common Cathode	1 Pair Common Cathode
Voltage - Forward (Vf) (Max) @ If	550 mV @ 15 A	600 mV @ 15 A	800 mV @ 30 A	550 mV @ 15 A

### STPS30L45CW Datasheet PDF

Download STPS30L45CW pdf datasheets and STMicroelectronics documentation for STPS30L45CW - STMicroelectronics.

#### Datasheets

[STPS30L45C.pdf](#)

#### PCN Design/Specification

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

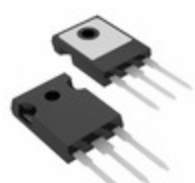
[Mult Dev Mold Compound Chg 6/May/2019.pdf](#)

#### PCN Assembly/Origin

[IPG/14/8475 16/May/2014.pdf](#)

### Customers Also Interested in

#### Recommended Products



**STPS30L60CW**STMicroelectronics  
DIODE ARRAY SCHOTTKY 60V  
TO247-3**STPS30L60CT**STMicroelectronics  
DIODE ARRAY SCHOTTKY 60V  
TO220AB**STPS30L60CG**

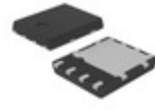
STMicroelectronics

**STPS30L40CG-TR MOS**

STMicroelectronics

**STPS30L60CR**STMicroelectronics  
DIODE ARRAY SCHOTTKY 60V I2PAK**STPS30L45CG**

STMicroelectronics

**STPS30L60CW**Vishay General Semiconductor -  
Diodes Division  
DIODE ARRAY SCHOTTKY 60V  
TO247AC**STPS30M100DJF-TR**STMicroelectronics  
DIODE SCHOTTKY 100V 30A  
PWRFLAT**STPS30L40CT**STMicroelectronics  
DIODE ARRAY SCHOTTKY 40V  
TO220AB**STPS30M100SFP**STMicroelectronics  
DIODE SCHOTT 100V 30A  
TO220FPAB**STPS30LCD45C**

STMicroelectronics

**STPS30L40CG-TR**

STMicroelectronics

**STPS30L45CR**STMicroelectronics  
DIODE ARRAY SCHOTTKY 45V I2PAK**STPS30L45**

STMicroelectronics

**STPS30L45CFP**STMicroelectronics  
DIODE ARRAY SCHOTTKY 45V  
TO220FP**STPS30L45CT**STMicroelectronics  
DIODE ARRAY SCHOTTKY 45V  
TO220AB**STPS30L45CG-TR**STMicroelectronics  
DIODE ARRAY SCHOTTKY 45V  
D2PAK**STPS30L40CW**STMicroelectronics  
DIODE ARRAY SCHOTTKY 40V  
TO247-3

## 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  
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## Certifications & Memberships



[View More](#)

### Contact us

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