



Image may be representation.
See specifications for product details.



STPS4045CW

Manufacturer Part Number	STPS4045CW
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STPS4045CW
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	DIODE ARRAY SCHOTTKY 45V TO247-3
Package	TO-247-3
Data sheet	STPS4045C.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STPS4045CW - STMicroelectronics.New Original in Stock. Download Linear Technology STPS4045CW datasheet/specifications on AllelcoElec.com.
Request a quote for STPS4045CW, please send us email: info@allelco.com

Specifications

STPS4045CW Tech Specifications
STPS4045CW - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package	Tube
Voltage - Forward (Vf) (Max) @ If	760 mV @ 20 A	Operating Temperature - Junction	175°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	200 µA @ 45 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io) (per Diode)	20A
Series	-	Base Product Number	STPS4045
Package / Case	TO-247-3		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STPS4045CW

Product Attribute				
Part Number	STPS4045CW	STPS40H100CW	STPS4045CWY	STPS40170CT
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Supplier Device Package	TO-247-3	TO-247-3	TO-247-3	TO-220
Package	Tube	Tube	Tube	Tube
Diode Configuration	1 Pair Common Cathode	1 Pair Common Cathode	1 Pair Common Cathode	1 Pair Common Cathode
Operating Temperature - Junction	175°C (Max)	175°C (Max)	-40°C ~ 175°C	175°C (Max)
Base Product Number	STPS4045	STPS40	STPS4045	STPS40170
Voltage - Forward (Vf) (Max) @ If	760 mV @ 20 A	730 mV @ 20 A	760 mV @ 20 A	920 mV @ 20 A
Voltage - DC Reverse (Vr) (Max)	45 V	100 V	45 V	170 V
Series	-	-	Automotive, AEC-Q101	-
Current - Reverse Leakage @ Vr	200 µA @ 45 V	10 µA @ 100 V	200 µA @ 45 V	30 µA @ 170 V
Current - Average Rectified (Io) (per Diode)	20A	20A	20A	20A
Technology	Schottky	Schottky	Schottky	Schottky
Package / Case	TO-247-3	TO-247-3	TO-247-3	TO-220-3

STPS4045CW Datasheet PDF

Download STPS4045CW pdf datasheets and STMicroelectronics documentation for STPS4045CW - STMicroelectronics.

Datasheets

[STPS4045C.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



STPS40H100CWSTMicroelectronics
DIODE ARRAY SCHOTTKY 100V
TO247**STPS40150CW**STMicroelectronics
DIODE ARRAY SCHOTTKY 150V
TO247**STPS40L15CW**STMicroelectronics
DIODE ARRAY SCHOTTKY 15V
TO247-3**STPS4045CWY**STMicroelectronics
DIODE ARRAY SCHOTTKY 45V
TO247**STPS40L15CTS**

STMicroelectronics

**STPS40170CGY-TR**STMicroelectronics
DIODE ARRAY SCHOTTKY 170V
D2PAK**STPS40170CT**STMicroelectronics
DIODE ARRAY SCHOTTKY 170V
TO220**STPS40L15CT**Vishay General Semiconductor -
Diodes Division
DIODE ARRAY SCHOTTKY 15V
TO220AB**STPS4045CW MOS**

STMicroelectronics

STPS40L15CWVishay General Semiconductor -
Diodes Division
DIODE ARRAY SCHOTTKY 15V
TO247AC**STPS4030CT**STMicroelectronics
DIODE ARRAY SCHOTTKY 30V
TO220AB**STPS40170CW**STMicroelectronics
DIODE ARRAY SCHOTTKY 170V
TO247**STPS40150CG-TR**STMicroelectronics
DIODE ARRAY SCHOTTKY 150V
D2PAK**STPS40150CGY-TR**STMicroelectronics
AUTOMOTIVE 150 V, 50 A POWER
SCH**STPS40170CG**STMicroelectronics
DIODE ARRAY SCHOTTKY 170V
D2PAK**STPS40L15CT**STMicroelectronics
DIODE ARRAY SCHOTTKY 15V
TO220AB**STPS40150CT**STMicroelectronics
DIODE ARRAY SCHOTTKY 150V
TO220**STPS4045CP**STMicroelectronics
DIODE ARRAY SCHOTTKY 45V
SOT93

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.



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Certifications & Memberships



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