

# STPS4045CW Manufacturer Part Number STP

Image may be representation.

See specifications for product details.

Manufacturer Part Number

STPS4045CW

Manufacturer

STMicroelectronics

Allelco Part Number

32D-STPS4045CW

ECAD Model

PCB Symbol, Footprint & 3D Mode

Parts Description DIODE ARRAY SCHOTTKY 45V TO247-3

STPS4045C.pdf

Package TO-247-3

Data sheet

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

 ${\it STPS4045CW-STM} icroelectronics\ technical\ specifications,\ attributes,\ parameters$ 

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

	The three parts on the right have similar specimeations to 511 heroelectionies 5115 to 15eV				
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



# 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**













# STPS40H100CW

STMicroelectronics
DIODE ARRAY SCHOTTKY 100V
TO247

### STPS4045CWY

STMicroelectronics
DIODE ARRAY SCHOTTKY 45V
TO247

STMicroelectronics
DIODE ARRAY SCHOTTKY 170V
TO220

### STPS40170CT

nics Vishay Genera TKY 170V Diode

### STPS40L15CW

Vishay General Semiconductor -Diodes Division DIODE ARRAY SCHOTTKY 15V TO247AC

## STPS40150CG-TR

STMicroelectronics
DIODE ARRAY SCHOTTKY 150V
D2PAK

### STPS40L15CT

STMicroelectronics
DIODE ARRAY SCHOTTKY 15V
TO220AB



**STPS40150CW** 

STMicroelectronics

DIODE ARRAY SCHOTTKY 150V

TO247

STPS40L15CW

STMicroelectronics

DIODE ARRAY SCHOTTKY 15V

TO247-3



STMicroelectronics

STPS40L15CTS



# STPS40L15CT

Vishay General Semiconductor -Diodes Division DIODE ARRAY SCHOTTKY 15V TO220AB



### STPS4030CT

STMicroelectronics
DIODE ARRAY SCHOTTKY 30V
TO220AB



STMicroelectronics

AUTOMOTIVE 150 V, 50 A POWER

SCH

STPS40150CGY-TR



STPS40150CT

STMicroelectronics

DIODE ARRAY SCHOTTKY 150V

TO220





STPS40170CGY-TR

STMicroelectronics

DIODE ARRAY SCHOTTKY 170V

D2PAK





STMicroelectronics

STPS4045CW MOS



### STPS40170CW

STMicroelectronics
DIODE ARRAY SCHOTTKY 170V
TO247



### STPS40170CG

STMicroelectronics
DIODE ARRAY SCHOTTKY 170V
D2PAK



### 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		
Anteneu	Brazil	7		
	Germany	5		
Europe	United Kingdom	4		
	Italy	5		
Oceania	Australia	6		
Occurriu	New Zealand	7		
Asia	India	6		
7.010	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.











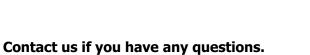
Your Faithful Supply Chain Partner -







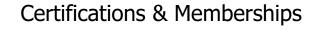
























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