

Image may be representation.  
See specifications for product details.



## STPSC40065CW

Manufacturer Part Number	<b>STPSC40065CW</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STPSC40065CW
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	DIODE SCHOTTKY 650V TO-247
Package	TO-247-3
Data sheet	<b>STPSC40065CW.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

STPSC40065CW - STMicroelectronics. New Original in Stock. Download Linear Technology STPSC40065CW datasheet/specifications on AllelcoElec.com.  
Request a quote for STPSC40065CW, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STPSC40065CW Tech Specifications  
STPSC40065CW - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package	Tube
Voltage - Forward (Vf) (Max) @ If	1.7 V @ 20 A	Operating Temperature - Junction	-40°C ~ 175°C
Voltage - DC Reverse (Vr) (Max)	650 V	Mounting Type	Through Hole
Technology	SIC (Silicon Carbide) Schottky	Diode Configuration	1 Pair Common Cathode
Supplier Device Package	TO-247-3	Current - Reverse Leakage @ Vr	300 µA @ 600 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io) (per Diode)	20A
Series	-	Base Product Number	STPSC40065
Package / Case	TO-247-3		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STPSC40065CW

Product Attribute				
Part Number	STPSC40065CW	STPSC40H12CWL	STPSC20H065CW	STPSC20H12CWL
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Package	Tube	Tube	Tube	Tube
Supplier Device Package	TO-247-3	TO-247-3	TO-247	TO-247-3
Base Product Number	STPSC40065	STPSC40	STPSC20	STPSC20
Series	-	ECOPACK®	-	ECOPACK®
Current - Reverse Leakage @ Vr	300 µA @ 600 V	120 µA @ 1200 V	100 µA @ 650 V	60 µA @ 1200 V
Current - Average Rectified (Io) (per Diode)	20A	38A	10A	25A
Package / Case	TO-247-3	TO-247-3	TO-247-3	TO-247-3
Voltage - DC Reverse (Vr) (Max)	650 V	1200 V	650 V	1200 V
Technology	SIC (Silicon Carbide) Schottky	SIC (Silicon Carbide) Schottky	SIC (Silicon Carbide) Schottky	SIC (Silicon Carbide) Schottky
Diode Configuration	1 Pair Common Cathode	1 Pair Common Cathode	1 Pair Common Cathode	1 Pair Common Cathode
Operating Temperature - Junction	-40°C ~ 175°C	-40°C ~ 175°C	-40°C ~ 175°C	-40°C ~ 175°C
Voltage - Forward (Vf) (Max) @ If	1.7 V @ 20 A	1.5 V @ 20 A	1.75 V @ 10 A	1.5 V @ 10 A
Speed	Fast Recovery =< 500ns, > 200mA (Io)	No Recovery Time > 500mA (Io)	No Recovery Time > 500mA (Io)	No Recovery Time > 500mA (Io)
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole

### STPSC40065CW Datasheet PDF

Download STPSC40065CW pdf datasheets and STMicroelectronics documentation for STPSC40065CW - STMicroelectronics.

#### Datasheets

[STPSC40065CW.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

[Manufacturing Extension 03/Jun/2021.pdf](#)

### Customers Also Interested in

#### Recommended Products



<b>STPSC20H12GY-TR</b> STMicroelectronics DIODE SIL CARB 1.2KV 20A D2PAK	<b>STPSC606D</b> STMicroelectronics DIODE SIL CARB 600V 6A TO220AC	<b>STPSC2H12D</b> STMicroelectronics DIODE SIL CARB 1.2KV 2A TO220AC	<b>STPSC2H12B-TR1</b> STMicroelectronics DIODE SIL CARBIDE 1.2KV 5A DPAK	<b>STPSC606G-TR</b> STMicroelectronics DIODE SIL CARBIDE 600V 6A D2PAK	<b>STPSC40H12CWL</b> STMicroelectronics DIODE ARRAY SCHOTTKY 1200V TO247
					
<b>STPSC20H065CW</b> STMicroelectronics DIODE ARRAY SCHOTTKY 650V TO247	<b>STPSC4H065D</b> STMicroelectronics DIODE SIL CARB 650V 4A TO220AC	<b>STPSC20H12D</b> STMicroelectronics DIODE SIL CARB 1.2KV 20A TO220AC	<b>STPSC20H12G-TR</b> STMicroelectronics DIODE SIL CARB 1.2KV 20A D2PAK	<b>STPSC20H12CWL</b> STMicroelectronics DIODE ARRAY SCHOTTKY 1200V TO247	<b>STPSC4H065B-TR</b> STMicroelectronics DIODE SIL CARBIDE 650V 4A DPAK
					
<b>STPSC5H12B-TR1</b> STMicroelectronics DIODE SIL CARBIDE 1.2KV 5A DPAK	<b>STPSC20H12DY</b> STMicroelectronics DIODE SIL CARB 1.2KV 20A TO220AC	<b>STPSC406B-TR</b> STMicroelectronics DIODE SIL CARBIDE 600V 4A DPAK	<b>STPSC20H12CWY</b> STMicroelectronics AUTOMOTIVE SIC DIODES	<b>STPSC406D</b> STMicroelectronics DIODE SIL CARB 600V 4A TO220AC	<b>STPSC4H065DI</b> STMicroelectronics DIODE SIC 650V 4A TO220AC INS
					

## 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



[View More](#)