



Image may be representation.  
See specifications for product details.



## STPS640CB-TR

Manufacturer Part Number	<a href="#">STPS640CB-TR</a>
Manufacturer	<a href="#">STMicroelectronics</a>
Allelco Part Number	32D-STPS640CB-TR
ECAD Model	PCB Footprint and Symbol
Parts Description	DIODE ARRAY SCHOTTKY 40V 3A DPAK
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	<a href="#">STPS640C.pdf</a>
RoHs Status	ROHS3 Compliant

**Get a Quote**

STPS640CB-TR - STMicroelectronics. New Original in Stock. Download Linear Technology STPS640CB-TR datasheet/specifications on AllelcoElec.com.  
Request a quote for STPS640CB-TR, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STPS640CB-TR Tech Specifications

STPS640CB-TR - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package	Tape & Reel (TR)
Voltage - Forward (Vf) (Max) @ If	630 mV @ 3 A	Operating Temperature - Junction	150°C (Max)
Voltage - DC Reverse (Vr) (Max)	40 V	Mounting Type	Surface Mount
Technology	Schottky	Diode Configuration	1 Pair Common Cathode
Supplier Device Package	DPAK	Current - Reverse Leakage @ Vr	100 µA @ 40 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io) (per Diode)	3A
Series	-	Base Product Number	STPS640
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STPS640CB-TR

Product Attribute				
Part Number	STPS640CB-TR	STPS640CB	STPS640CT	STPS61L60CT
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Voltage - Forward (Vf) (Max) @ If	630 mV @ 3 A	630 mV @ 3 A	630 mV @ 3 A	660 mV @ 30 A
Current - Average Rectified (Io) (per Diode)	3A	3A	3A	30A
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-220-3	TO-220-3
Base Product Number	STPS640	STPS64	STPS64	STPS61
Package	Tape & Reel (TR)	Tube	Tube	Tube
Supplier Device Package	DPAK	DPAK	TO-220	TO-220
Technology	Schottky	Schottky	Schottky	Schottky
Series	-	-	-	-
Voltage - DC Reverse (Vr) (Max)	40 V	40 V	40 V	60 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Current - Reverse Leakage @ Vr	100 µA @ 40 V	100 µA @ 40 V	100 µA @ 40 V	800 µA @ 60 V
Operating Temperature - Junction	150°C (Max)	150°C (Max)	150°C (Max)	150°C (Max)
Mounting Type	Surface Mount	Surface Mount	Through Hole	Through Hole
Diode Configuration	1 Pair Common Cathode	1 Pair Common Cathode	1 Pair Common Cathode	1 Pair Common Cathode

### STPS640CB-TR Datasheet PDF

Download STPS640CB-TR pdf datasheets and STMicroelectronics documentation for STPS640CB-TR - STMicroelectronics.

#### Datasheets

[STPS640C.pdf](#)

#### PCN Packaging

[Mult Dev Inner Box Chg 9/Dec/2021.pdf](#)

[Reel Design Change 22/Aug/2022.pdf](#)

#### PCN Assembly/Origin

[IPG-DIS/14/8468 06/May/2014.pdf](#)

### Customers Also Interested in

#### Recommended Products



**STPS745D**STMicroelectronics  
DIODE SCHOTTKY 45V 7.5A  
TO220AC**STPS61L45CT**STMicroelectronics  
DIODE ARRAY SCHOTTKY 45V  
TO220AB**STPS61L45CW**STMicroelectronics  
DIODE ARRAY SCHOTTKY 45V  
TO247-3**STPS640CB**STMicroelectronics  
DIODE ARRAY SCHOTTKY 40V 3A  
DPAK**STPS6100CB-TR**

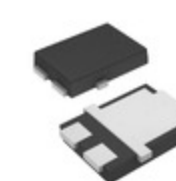
STMicroelectronics

**STPS660CBTR**

STMicroelectronics

**STPS6M100DEE-TR**STMicroelectronics  
DIODE SCHOTTKY 100V 6A  
POWERFLAT**STPS640CBY-TR**STMicroelectronics  
DIODE ARRAY SCHOTTKY 40V 3A  
DPAK**STPS61170CW**STMicroelectronics  
DIODE ARRAY SCHOTTKY 170V  
TO247**STPS640CT**STMicroelectronics  
DIODE ARRAY SCHOTTKY 40V  
TO220AB**STPS640CBTR**

STMicroelectronics

**STPS61150CW**STMicroelectronics  
DIODE ARRAY SCHOTTKY 150V  
TO247**STPS61L60CT**STMicroelectronics  
DIODE ARRAY SCHOTTKY 60V  
TO220AB**STPS61L60CW**STMicroelectronics  
DIODE ARRAY SCHOTTKY 60V  
TO247-3**STPS640CSFY**STMicroelectronics  
DIODE SCHOTTKY 40V 3A TO277A**STPS660CB-TR**STMicroelectronics  
DIODE ARRAY SCHOTTKY 60V 3A  
DPAK**STPS61H100CW**STMicroelectronics  
DIODE ARRAY SCHOTTKY 100V  
TO247**STPS60SM200CW**STMicroelectronics  
DIODE ARRAY SCHOTTKY 200V  
TO247

## 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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