

Image may be representation.
See specifications for product details.



STPS40L15CT

Manufacturer Part Number	STPS40L15CT
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STPS40L15CT
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	DIODE ARRAY SCHOTTKY 15V TO220AB
Package	TO-220-3
Data sheet	STPS40L15CW,CT.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STPS40L15CT - STMicroelectronics.New Original in Stock. Download Linear Technology STPS40L15CT datasheet/specifications on AllelcoElec.com.
Request a quote for STPS40L15CT, please send us email: info@allelco.com

Specifications

STPS40L15CT Tech Specifications
STPS40L15CT - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package	Tube
Voltage - Forward (Vf) (Max) @ If	410 mV @ 19 A	Operating Temperature - Junction	125°C (Max)
Voltage - DC Reverse (Vr) (Max)	15 V	Mounting Type	Through Hole
Technology	Schottky	Diode Configuration	1 Pair Common Cathode
Supplier Device Package	TO-220	Current - Reverse Leakage @ Vr	6 mA @ 15 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io) (per Diode)	20A
Series	-	Base Product Number	STPS40
Package / Case	TO-220-3		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STPS40L15CT

Product Attribute				
Part Number	STPS40L15CT	STPS40L15CW	STPS4030CT	STPS4045CW
Manufacturer	STMicroelectronics	Vishay General Semiconductor - Diodes Division	STMicroelectronics	STMicroelectronics
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Technology	Schottky	Schottky	Schottky	Schottky
Base Product Number	STPS40	STPS40	STPS403	STPS4045
Package / Case	TO-220-3	TO-247-3	TO-220-3	TO-247-3
Current - Reverse Leakage @ Vr	6 mA @ 15 V	10 mA @ 15 V	1 mA @ 30 V	200 µA @ 45 V
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Operating Temperature - Junction	125°C (Max)	-55°C ~ 125°C	150°C (Max)	175°C (Max)
Supplier Device Package	TO-220	TO-247AC	TO-220	TO-247-3
Current - Average Rectified (Io) (per Diode)	20A	20A	20A	20A
Voltage - Forward (Vf) (Max) @ If	410 mV @ 19 A	410 mV @ 19 A	490 mV @ 20 A	760 mV @ 20 A
Package	Tube	Tube	Tube	Tube
Voltage - DC Reverse (Vr) (Max)	15 V	15 V	30 V	45 V
Diode Configuration	1 Pair Common Cathode	1 Pair Common Cathode	1 Pair Common Cathode	1 Pair Common Cathode
Series	-	-	-	-

STPS40L15CT Datasheet PDF

Download STPS40L15CT pdf datasheets and STMicroelectronics documentation for STPS40L15CT - STMicroelectronics.

Datasheets

[STPS40L15CW,CT.pdf](#)

PCN Design/Specification

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













PCN Assembly/Origin

[TO-220 Capacity Expansion 18/Jun/2013.pdf](#)

Customers Also Interested in

Recommended Products



STPS40L15CW	STPS4030CT	STPS4045CW	STPS40L40CW	STPS40H100CW	STPS4045CW MOS
Vishay General Semiconductor - Diodes Division DIODE ARRAY SCHOTTKY 15V TO247AC	STMicroelectronics DIODE ARRAY SCHOTTKY 30V TO220AB	STMicroelectronics DIODE ARRAY SCHOTTKY 45V TO247-3	Vishay General Semiconductor - Diodes Division DIODE ARRAY SCHOTTKY 40V TO247AC	STMicroelectronics DIODE ARRAY SCHOTTKY 100V TO247	STMicroelectronics
					
STPS40170CGY-TR STMicroelectronics DIODE ARRAY SCHOTTKY 170V D2PAK	STPS4045CWY STMicroelectronics DIODE ARRAY SCHOTTKY 45V TO247	STPS40L40CW STMicroelectronics DIODE ARRAY SCHOTTKY 40V TO247-3	STPS40L45CG STMicroelectronics DIODE ARRAY SCHOTTKY 45V D2PAK	STPS40L15CTS STMicroelectronics	STPS40L15CT Vishay General Semiconductor - Diodes Division DIODE ARRAY SCHOTTKY 15V TO220AB
					
STPS40170CT STMicroelectronics DIODE ARRAY SCHOTTKY 170V TO220	STPS4045CP STMicroelectronics DIODE ARRAY SCHOTTKY 45V SOT93	STPS40L15CW STMicroelectronics DIODE ARRAY SCHOTTKY 15V TO247-3	STPS40170CW STMicroelectronics DIODE ARRAY SCHOTTKY 170V TO247	STPS40L40CT STMicroelectronics DIODE ARRAY SCHOTTKY 40V TO220AB	STPS40170CG STMicroelectronics DIODE ARRAY SCHOTTKY 170V D2PAK

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
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Contact us if you have any questions.

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