



Image may be representation.
See specifications for product details.



STPS16045TV

Manufacturer Part Number	STPS16045TV
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STPS16045TV
ECAD Model	3D Model
Parts Description	DIODE MODULE 45V 80A ISOTOP
Package	ISOTOP
Data sheet	STPS16045TV.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STPS16045TV - STMicroelectronics.New Original in Stock. Download Linear Technology STPS16045TV datasheet/specifications on AllelcoElec.com.
Request a quote for STPS16045TV, please send us email: info@allelco.com

Specifications

STPS16045TV Tech Specifications
STPS16045TV - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package	Tube
Voltage - Forward (Vf) (Max) @ If	690 mV @ 80 A	Operating Temperature - Junction	150°C (Max)
Voltage - DC Reverse (Vr) (Max)	45 V	Mounting Type	Chassis Mount
Technology	Schottky	Diode Configuration	2 Independent
Supplier Device Package	ISOTOP®	Current - Reverse Leakage @ Vr	1 mA @ 45 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io) (per Diode)	80A
Series	-	Base Product Number	STPS16045
Package / Case	ISOTOP		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STPS16045TV

Product Attribute				
Part Number	STPS16045TV	STPS15L60CB-TR	STPS16H100CG	STPS15L45CB-TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Voltage - DC Reverse (Vr) (Max)	45 V	60 V	100 V	45 V
Operating Temperature - Junction	150°C (Max)	150°C (Max)	175°C (Max)	150°C (Max)
Diode Configuration	2 Independent	1 Pair Common Cathode	1 Pair Common Cathode	1 Pair Common Cathode
Voltage - Forward (Vf) (Max) @ If	690 mV @ 80 A	620 mV @ 7.5 A	770 mV @ 8 A	520 mV @ 7.5 A
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Supplier Device Package	ISOTOP®	DPAK	D2PAK	DPAK
Base Product Number	STPS16045	STPS15	STPS16	STPS15
Mounting Type	Chassis Mount	Surface Mount	Surface Mount	Surface Mount
Technology	Schottky	Schottky	Schottky	Schottky
Series	-	-	-	-
Package	Tube	Tape & Reel (TR)	Tube	Tape & Reel (TR)
Current - Reverse Leakage @ Vr	1 mA @ 45 V	200 µA @ 60 V	3.6 µA @ 100 V	1 mA @ 45 V
Current - Average Rectified (Io) (per Diode)	80A	7.5A	8A	7.5A
Package / Case	ISOTOP	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-252-3, DPak (2 Leads + Tab), SC-63

STPS16045TV Datasheet PDF

Download STPS16045TV pdf datasheets and STMicroelectronics documentation for STPS16045TV - STMicroelectronics.

Datasheets

[STPS16045TV.pdf](#)

PCN Design/Specification

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













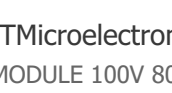



PCN Assembly/Origin

[Mold compound 20/May/2019.pdf](#)

Customers Also Interested in

Recommended Products



STPS15L60CB-TR STMicroelectronics DIODE ARRAY SCHOTTKY 60V DPAK	STPS16H100CG STMicroelectronics DIODE ARRAY SCHOTTKY 100V D2PAK	STPS15L45CB-TR STMicroelectronics DIODE ARRAY SCHOTTKY 45V DPAK	STPS160A STMicroelectronics DIODE SCHOTTKY 60V 1A SMA	STPS15L30CDJF STMicroelectronics	STPS16150CT STMicroelectronics DIODE ARRAY SCHOTTKY 150V TO220
					
STPS16170CB-TR STMicroelectronics DIODE ARRAY SCHOTTKY 170V DPAK	STPS16H100CG-TR STMicroelectronics DIODE ARRAY SCHOTTKY 100V D2PAK	STPS160U STMicroelectronics DIODE SCHOTTKY 60V 1A SMB	STPS15L45C S15L45C STMicroelectronics	STPS15L30CB STMicroelectronics DIODE ARRAY SCHOTTKY 30V DPAK	STPS15L45L STMicroelectronics
					
STPS15L30CB-TR STMicroelectronics DIODE ARRAY SCHOTTKY 30V DPAK	STPS15L45CB STMicroelectronics DIODE ARRAY SCHOTTKY 45V DPAK	STPS160H100TV STMicroelectronics DIODE MODULE 100V 80A ISOTOP	STPS160E STMicroelectronics	STPS15L60CB STMicroelectronics DIODE ARRAY SCHOTTKY 60V DPAK	STPS15L45C BY-TR STMicroelectronics DIODE ARRAY SCHOTTKY 45V DPAK
					

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
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Certifications & Memberships



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