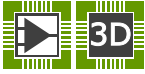





STPSC10H065D

Manufacturer Part Number	STPSC10H065D
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STPSC10H065D
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	DIODE SIL CARB 650V 10A TO220AC
Package	TO-220-2
Data sheet	STPSC10H065.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

STPSC10H065D - STMicroelectronics.New Original in Stock. Download Linear Technology STPSC10H065D datasheet/specifications on AllelcoElec.com.
Request a quote for STPSC10H065D, please send us email: info@allelco.com





Specifications

STPSC10H065D Tech Specifications
STPSC10H065D - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package / Case	TO-220-2
Voltage - Forward (Vf) (Max) @ If	1.75 V @ 10 A	Package	Tube
Voltage - DC Reverse (Vr) (Max)	650 V	Operating Temperature - Junction	-40°C ~ 175°C
Technology	SiC (Silicon Carbide) Schottky	Mounting Type	Through Hole
Supplier Device Package	TO-220AC	Current - Reverse Leakage @ Vr	100 µA @ 650 V
Speed	No Recovery Time > 500mA (Io)	Current - Average Rectified (Io)	10A
Series	-	Capacitance @ Vr, F	480pF @ 0V, 1MHz
Reverse Recovery Time (trr)	0 ns	Base Product Number	STPSC10

Parts with Similar Specifications


The three parts on the right have similar specifications to STMicroelectronics STPSC10H065D

Product Attribute				
Part Number	STPSC10H065D	STPSC12065G-TR	STPSC10H065GY-TR	STPSC10H065B-TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Voltage - Forward (Vf) (Max) @ If	1.75 V @ 10 A	1.45 V @ 12 A	1.75 V @ 10 A	1.75 V @ 10 A
Operating Temperature - Junction	-40°C ~ 175°C	-40°C ~ 175°C	-40°C ~ 175°C	-40°C ~ 175°C
Package	Tube	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Speed	No Recovery Time > 500mA (Io)	No Recovery Time > 500mA (Io)	No Recovery Time > 500mA (Io)	No Recovery Time > 500mA (Io)
Technology	SiC (Silicon Carbide) Schottky	SiC (Silicon Carbide) Schottky	SiC (Silicon Carbide) Schottky	SiC (Silicon Carbide) Schottky
Package / Case	TO-220-2	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-252-3, DPak (2 Leads + Tab), SC-63
Capacitance @ Vr, F	480pF @ 0V, 1MHz	750pF @ 0V, 1MHz	480pF @ 0V, 1MHz	480pF @ 0V, 1MHz
Supplier Device Package	TO-220AC	D ² PAK	D ² PAK	DPAK
Current - Reverse Leakage @ Vr	100 µA @ 650 V	150 µA @ 650 V	100 µA @ 650 V	100 µA @ 650 V
Reverse Recovery Time (trr)	0 ns	0 ns	0 ns	0 ns
Voltage - DC Reverse (Vr) (Max)	650 V	650 V	650 V	650 V
Mounting Type	Through Hole	Surface Mount	Surface Mount	Surface Mount
Base Product Number	STPSC10	STPSC12065	STPSC10	STPSC10
Series	-	ECOPACK@2	Automotive, AEC-Q101	-
Current - Average Rectified (Io)	10A	12A	10A	10A


STPSC10H065D Datasheet PDF


Download STPSC10H065D pdf datasheets and STMicroelectronics documentation for STPSC10H065D - STMicroelectronics.

Datasheets



STPSC10H065.pdf

PCN Design/Specification


Mult Dev Adv Material Notice 8/Apr/2019.pdf


IPD/15/9230 11/May/2015.pdf

PCN Assembly/Origin


Manufacturing Extension 03/Jun/2021.pdf

Customers Also Interested in

Recommended Products



STPSC12065G-TRSTMicroelectronics
DIODE SIL CARBIDE 650V 12A
D2PAK**STPSC10H12GY-TR**STMicroelectronics
DIODE SIL CARB 1.2KV 10A D2PAK**STPSC10C065RY**STMicroelectronics
DIODE SIL CARBIDE 650V 10A I2PAK**STPSC10H065GY-TR**STMicroelectronics
DIODE SIL CARBIDE 650V 10A
D2PAK**STPSC10H065G-TR**STMicroelectronics
DIODE SIL CARBIDE 650V 10A
D2PAK**STPS8L30B**STMicroelectronics
DIODE SCHOTTKY 30V 8A DPAK**STPSC10H065B-TR**STMicroelectronics
DIODE SIL CARBIDE 650V 10A DPAK**STPS8L30B-TR**STMicroelectronics
DIODE SCHOTTKY 30V 8A DPAK**STPSC10H12B2-TR**STMicroelectronics
DIODE SIL CARB 1.2KV 10A DPAK
HV**STPSC10H12D**STMicroelectronics
DIODE SIL CARB 1.2KV 10A
TO220AC**STPSC10H065BY-TR**STMicroelectronics
DIODE SIL CARBIDE 650V 10A DPAK**STPSC10H065DI**STMicroelectronics
DIODE SIC 650V 10A TO220AC INS**STPSC10H12CWL**STMicroelectronics
DIODE ARRAY SCHOTTKY 1200V
TO247**STPSC1006D**STMicroelectronics
DIODE SIL CARB 600V 10A TO220AC**STPSC1006G-TR**STMicroelectronics
DIODE SIL CARBIDE 600V 10A
D2PAK**STPS8L30DEE-TR**STMicroelectronics
DIODE SCHOTTKY 30V 8A
POWERFLAT**STPSC12065DY**STMicroelectronics
DIODE SIL CARB 650V 12A TO220AC**STPSC10065D**STMicroelectronics
DIODE SIL CARB 650V 10A TO220AC**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

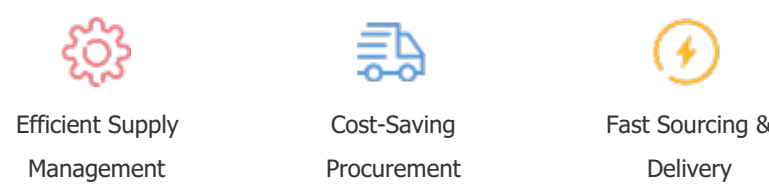
DHL & FedEx Shipment Charges Reference

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

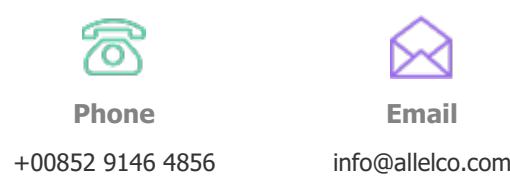
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

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 -**

Contact us if you have any questions.

**Certifications & Memberships**

[View More](#)

**Contact us**

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong

Phone: +00852 9146 4856

Fax: +00852 3010 8510

Email: info@Allelco.com

Copyright © 2012-2023 AllelcoElec.com. All rights reserved.