



STPSC8H065D

Manufacturer Part Number	STPSC8H065D
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STPSC8H065D
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	DIODE SIL CARB 650V 8A TO220AC
Package	TO-220-2
Data sheet	STPSC8H065.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STPSC8H065D - STMicroelectronics.New Original in Stock. Download Linear Technology STPSC8H065D datasheet/specifications on AllelcoElec.com.
Request a quote for STPSC8H065D, please send us email: info@allelco.com

Specifications

STPSC8H065D Tech Specifications
STPSC8H065D - 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 @ 8 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	80 µA @ 650 V
Speed	No Recovery Time > 500mA (Io)	Current - Average Rectified (Io)	8A
Series	-	Capacitance @ Vr, F	414pF @ 0V, 1MHz
Reverse Recovery Time (trr)	0 ns	Base Product Number	STPSC8

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STPSC8H065D

Product Attribute				
Part Number	STPSC8H065D	STPSC8H065G2Y-TR	STPSC8065D	STPSC6H065DI
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Speed	No Recovery Time > 500mA (Io)	No Recovery Time > 500mA (Io)	No Recovery Time > 500mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Reverse Recovery Time (trr)	0 ns	0 ns	0 ns	-
Base Product Number	STPSC8	STPSC8	STPSC8065	STPSC6
Voltage - DC Reverse (Vr) (Max)	650 V	650 V	650 V	650 V
Mounting Type	Through Hole	Surface Mount	Through Hole	Through Hole
Package / Case	TO-220-2	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-220-2	TO-220-2 Insulated, TO-220AC
Capacitance @ Vr, F	414pF @ 0V, 1MHz	414pF @ 0V, 1MHz	540pF @ 0V, 1MHz	-
Current - Average Rectified (Io)	8A	8A	8A	6A
Current - Reverse Leakage @ Vr	80 µA @ 650 V	80 µA @ 650 V	105 µA @ 650 V	60 µA @ 650 V
Supplier Device Package	TO-220AC	D2PAK HV	TO-220AC	TO-220AC ins
Operating Temperature - Junction	-40°C ~ 175°C	-40°C ~ 175°C	-40°C ~ 175°C	-40°C ~ 175°C
Package	Tube	Tape & Reel (TR)	Tube	Tube
Series	-	Automotive, AEC-Q101, ECOPACK@2	ECOPACK@2	-
Voltage - Forward (Vf) (Max) @ If	1.75 V @ 8 A	1.65 V @ 8 A	1.45 V @ 8 A	1.75 V @ 6 A
Technology	SiC (Silicon Carbide) Schottky	SiC (Silicon Carbide) Schottky	SiC (Silicon Carbide) Schottky	SiC (Silicon Carbide) Schottky

STPSC8H065D Datasheet PDF

Download STPSC8H065D pdf datasheets and STMicroelectronics documentation for STPSC8H065D - STMicroelectronics.

Datasheets

[STPSC8H065.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



STPSC8H065G2Y-TR
STMicroelectronics
DIODE SIL CARB 650V 8A D2PAK HV



STPSC8H065DLF

STMicroelectronics
DIODE SIL CARB 650V 8A
POWERFLAT



STPTIC-15G2C5

STMicroelectronics
IP5 TUNABLE CAPACITOR

STPSC8065D
STMicroelectronics
DIODE SIL CARB 650V 8A TO220AC



STPSC6H065G-TR

STMicroelectronics
DIODE SIL CARBIDE 650V 6A D2PAK



STPTIC-27F1M6

STMicroelectronics
IC TUNABLE CAP RF BST 6UQFN

STPSC8H065FP
STMicroelectronics



STPSC6H065BY-TR

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DIODE SIL CARBIDE 650V 6A DPAK



STPSC6H12B-TR1

STMicroelectronics
DIODE SIL CARBIDE 1.2KV 6A DPAK

STPSC6H065DI
STMicroelectronics
DIODE SIC 650V 6A TO220AC INS



STPSC8H065G-TR

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DIODE SIL CARBIDE 650V 8A D2PAK



STPSC8H065B-TR

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DIODE SIL CARBIDE 650V 8A DPAK

STPSC6H065D
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DIODE SIL CARB 650V 6A TO220AC



STPSC8065DY

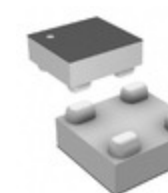
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DIODE SIL CARB 650V 8A TO220AC



STPSC8H065BY-TR

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DIODE SIL CARBIDE 650V 8A DPAK

STPSC806D
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DIODE SIL CARB 600V 8A TO220AC



STPTIC-27G2C5

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IC TUNABLE CAP RF BST 4WLCSP



STPSC8H065DI

STMicroelectronics
DIODE SIC 650V 8A 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

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Email

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Certifications & Memberships



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