



STPSC806D

Manufacturer Part Number	STPSC806D
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STPSC806D
ECAD Model	Request Free CAD Models
Parts Description	DIODE SIL CARB 600V 8A TO220AC
Package	TO-220-2
Data sheet	STPSC806D.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STPSC806D - STMicroelectronics.New Original in Stock. Download Linear Technology STPSC806D datasheet/specifications on AllelcoElec.com.
Request a quote for STPSC806D, please send us email: info@allelco.com

Specifications

STPSC806D Tech Specifications
STPSC806D - 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	1.7 V @ 8 A	Package	Tube
Voltage - DC Reverse (Vr) (Max)	600 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 @ 600 V
Speed	No Recovery Time > 500mA (Io)	Current - Average Rectified (Io)	8A
Series	-	Capacitance @ Vr, F	450pF @ 0V, 1MHz
Reverse Recovery Time (trr)	0 ns	Base Product Number	STPSC806

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STPSC806D

Product Attribute				
Part Number	STPSC806D	STPSC8H065B-TR	STPSC8H065BY-TR	STPSC8H065D
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Supplier Device Package	TO-220AC	DPAK	DPAK	TO-220AC
Voltage - DC Reverse (Vr) (Max)	600 V	650 V	650 V	650 V
Speed	No Recovery Time > 500mA (Io)	No Recovery Time > 500mA (Io)	No Recovery Time > 500mA (Io)	No Recovery Time > 500mA (Io)
Voltage - Forward (Vf) (Max) @ If	1.7 V @ 8 A	1.75 V @ 8 A	-	1.75 V @ 8 A
Mounting Type	Through Hole	Surface Mount	Surface Mount	Through Hole
Current - Reverse Leakage @ Vr	100 µA @ 600 V	80 µA @ 650 V	80 µA @ 650 V	80 µA @ 650 V
Base Product Number	STPSC806	STPSC8	STPSC8	STPSC8
Operating Temperature - Junction	-40°C ~ 175°C	-40°C ~ 175°C	-40°C ~ 175°C	-40°C ~ 175°C
Current - Average Rectified (Io)	8A	8A	8A	8A
Capacitance @ Vr, F	450pF @ 0V, 1MHz	414pF @ 0V, 1MHz	414pF @ 0V, 1MHz	414pF @ 0V, 1MHz
Package	Tube	Tape & Reel (TR)	Tape & Reel (TR)	Tube
Series	-	-	Automotive, AEC-Q101	-
Package / Case	TO-220-2	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-220-2
Technology	SiC (Silicon Carbide) Schottky	SiC (Silicon Carbide) Schottky	SiC (Silicon Carbide) Schottky	SiC (Silicon Carbide) Schottky
Reverse Recovery Time (trr)	0 ns	0 ns	0 ns	0 ns

STPSC806D Datasheet PDF

Download STPSC806D pdf datasheets and STMicroelectronics documentation for STPSC806D - STMicroelectronics.

PCN Packaging

Box Label Chg 28/Jul/2016.pdf

PCN Design/Specification

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

PCN Assembly/Origin

Epitaxy Site Addition 20/Apr/2015.pdf

Customers Also Interested in

Recommended Products



STPSC8H065B-TR
STMicroelectronics
DIODE SIL CARBIDE 650V 8A DPAK



STPSC6C065DL
STMicroelectronics



STPSC8H065BY-TR
STMicroelectronics
DIODE SIL CARBIDE 650V 8A DPAK



STPSC6C065D
STMicroelectronics



STPSC8H065D
STMicroelectronics
DIODE SIL CARB 650V 8A TO220AC



STPSC8H065DLF
STMicroelectronics
DIODE SIL CARB 650V 8A POWERFLAT



STPSC8H065G-TR
STMicroelectronics
DIODE SIL CARBIDE 650V 8A D2PAK

STPSC8065D
STMicroelectronics
DIODE SIL CARB 650V 8A TO220AC

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

STPSC6H12B-TR1
STMicroelectronics
DIODE SIL CARBIDE 1.2KV 6A DPAK

STPSC8065DY
STMicroelectronics
DIODE SIL CARB 650V 8A TO220AC

STPSC6H065G-TR
STMicroelectronics
DIODE SIL CARBIDE 650V 6A D2PAK



STPSC6H065B-TR
STMicroelectronics
DIODE SIL CARBIDE 650V 6A DPAK

STPSC6H065BY-TR
STMicroelectronics
DIODE SIL CARBIDE 650V 6A DPAK

STPTIC-15G2C5
STMicroelectronics
1P5 TUNABLE CAPACITOR

STPSC6H065D
STMicroelectronics
DIODE SIL CARB 650V 6A TO220AC

STPSC8H065DI
STMicroelectronics
DIODE SIC 650V 8A TO220AC INS

STPSC6H065DI
STMicroelectronics
DIODE SIC 650V 6A 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

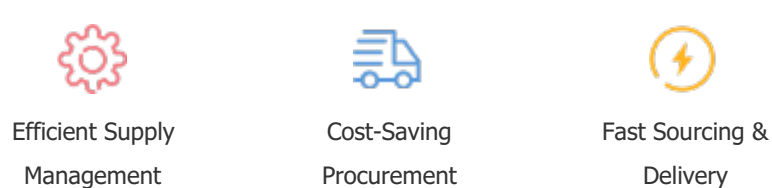
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

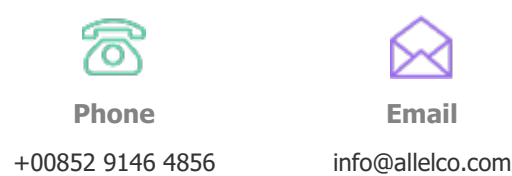
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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