



STTH806D

Manufacturer Part Number	STTH806D
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STTH806D
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	DIODE GEN PURP 600V 8A TO220AC
Package	TO-220-2
Data sheet	STTH806.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STTH806D - STMicroelectronics.New Original in Stock. Download Linear Technology STTH806D datasheet/specifications on AllelcoElec.com.
Request a quote for STTH806D, please send us email: info@allelco.com

Specifications

STTH806D Tech Specifications
STTH806D - 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	1.85 V @ 8 A	Package	Tube
Voltage - DC Reverse (Vr) (Max)	600 V	Operating Temperature - Junction	175°C (Max)
Technology	Standard	Mounting Type	Through Hole
Supplier Device Package	TO-220AC	Current - Reverse Leakage @ Vr	8 µA @ 600 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io)	8A
Series	-	Capacitance @ Vr, F	-
Reverse Recovery Time (trr)	55 ns	Base Product Number	STTH806

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STTH806D

Product Attribute				
Part Number	STTH806D	STTH806DTI	STTH802FP	STTH802G-TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Voltage - Forward (Vf) (Max) @ If	1.85 V @ 8 A	3.6 V @ 8 A	1.05 V @ 8 A	1.05 V @ 8 A
Supplier Device Package	TO-220AC	TO-220AC ins	TO-220FPAC	D2PAK
Series	-	-	-	-
Operating Temperature - Junction	175°C (Max)	175°C (Max)	175°C (Max)	175°C (Max)
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Current - Reverse Leakage @ Vr	8 µA @ 600 V	10 µA @ 600 V	6 µA @ 200 V	6 µA @ 200 V
Mounting Type	Through Hole	Through Hole	Through Hole	Surface Mount
Reverse Recovery Time (trr)	55 ns	30 ns	30 ns	30 ns
Current - Average Rectified (Io)	8A	8A	8A	8A
Capacitance @ Vr, F	-	-	-	-
Base Product Number	STTH806	STTH806	STTH802	STTH802
Technology	Standard	Standard	Standard	Standard
Package / Case	TO-220-2	TO-220-2 Insulated, TO-220AC	TO-220-2 Full Pack, Isolated Tab	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Package	Tube	Tube	Tube	Tape & Reel (TR)
Voltage - DC Reverse (Vr) (Max)	600 V	600 V	200 V	200 V

STTH806D Datasheet PDF

Download STTH806D pdf datasheets and STMicroelectronics documentation for STTH806D - STMicroelectronics.

Datasheets

STTH806.pdf

PCN Design/Specification

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

PCN Assembly/Origin



















TO-220 Capacity Expansion 18/Jun/2013.pdf

PCN Obsolescence/ EOL

EOL ADG-23-13935 17/Feb/2023.pdf

Customers Also Interested in

Recommended Products

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STTH806DTI STMicroelectronics DIODE GP 600V 8A TO220AC INS	STTH802FP STMicroelectronics DIODE GEN PURP 200V 8A TO220FPAC	STTH802G-TR STMicroelectronics DIODE GEN PURP 200V 8A D2PAK	STTH810D STMicroelectronics DIODE GEN PURP 1KV 8A TO220AC	STTH802CFP STMicroelectronics DIODE ARRAY GP 200V 4A TO220FP	STTH806TTI STMicroelectronics DIODE ARRAY GP 600V 8A TO220AB
 life.augmented	 life.augmented	 life.augmented	 life.augmented		 life.augmented
STTH806TTIF5 STMicroelectronics	STTH802G MOS STMicroelectronics	STTH803G STMicroelectronics	STTH802D STMicroelectronics DIODE GEN PURP 200V 8A TO220AC	STTH802CT STMicroelectronics DIODE ARRAY GP 200V 4A TO220AB	STTH810DI STMicroelectronics DIODE GEN PURP 1KV 8A TO220Ins
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STTH80S06W STMicroelectronics DIODE GEN PURP 600V 80A DO247	STTH803G-TR STMicroelectronics DIODE GEN PURP 300V 8A D2PAK	STTH806G-TR STMicroelectronics DIODE GEN PURP 600V 8A D2PAK	STTH803D STMicroelectronics DIODE GEN PURP 300V 8A TO220AC	STTH806DIRG STMicroelectronics DIODE GP 600V 8A TO220AC INS	STTH802G STMicroelectronics DIODE GEN PURP 200V 8A 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
 Fast Sourcing & Delivery

Contact us if you have any questions.

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