





STTH803D

Manufacturer Part Number	STTH803D
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STTH803D
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	DIODE GEN PURP 300V 8A TO220AC
Package	TO-220-2
Data sheet	STTH803D/G.pdf
RoHS Status	 ROHS3 Compliant



Get a Quote

STTH803D - STMicroelectronics.New Original in Stock. Download Linear Technology STTH803D datasheet/specifications on AllelcoElec.com.
Request a quote for STTH803D, please send us email: info@allelco.com





Specifications

STTH803D Tech Specifications
STTH803D - 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	1.25 V @ 8 A	Package	Tube
Voltage - DC Reverse (Vr) (Max)	300 V	Operating Temperature - Junction	175°C (Max)
Technology	Standard	Mounting Type	Through Hole
Supplier Device Package	TO-220AC	Current - Reverse Leakage @ Vr	20 µA @ 300 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io)	8A
Series	-	Capacitance @ Vr, F	-
Reverse Recovery Time (trr)	35 ns	Base Product Number	STTH803

Parts with Similar Specifications


The three parts on the right have similar specifications to STMicroelectronics STTH803D

Product Attribute	 NO PICTURE			
Part Number	STTH803D	STTH806G-TR	STTH806D	STTH802D
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Voltage - Forward (Vf) (Max) @ If	1.25 V @ 8 A	1.85 V @ 8 A	1.85 V @ 8 A	1.05 V @ 8 A
Mounting Type	Through Hole	Surface Mount	Through Hole	Through Hole
Base Product Number	STTH803	STTH806	STTH806	STTH802
Voltage - DC Reverse (Vr) (Max)	300 V	600 V	600 V	200 V
Reverse Recovery Time (trr)	35 ns	55 ns	55 ns	30 ns
Package / Case	TO-220-2	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-220-2	TO-220-2
Series	-	-	-	-
Current - Reverse Leakage @ Vr	20 µA @ 300 V	8 µA @ 600 V	8 µA @ 600 V	6 µA @ 200 V
Package	Tube	Tape & Reel (TR)	Tube	Tube
Operating Temperature - Junction	175°C (Max)	175°C (Max)	175°C (Max)	175°C (Max)
Technology	Standard	Standard	Standard	Standard
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Current - Average Rectified (Io)	8A	8A	8A	8A
Supplier Device Package	TO-220AC	D2PAK	TO-220AC	TO-220AC
Capacitance @ Vr, F	-	-	-	-


STTH803D Datasheet PDF

Download STTH803D pdf datasheets and STMicroelectronics documentation for STTH803D - STMicroelectronics.


Datasheets


STTH803D/G.pdf

PCN Design/Specification


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

PCN Assembly/Origin


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

Customers Also Interested in

Recommended Products



STTH806TTISTMicroelectronics
DIODE ARRAY GP 600V 8A TO220AB**STTH806G-TR**STMicroelectronics
DIODE GEN PURP 600V 8A D2PAK**STTH802CT**STMicroelectronics
DIODE ARRAY GP 200V 4A TO220AB**STTH802G MOS**

STMicroelectronics

**STTH806D**STMicroelectronics
DIODE GEN PURP 600V 8A TO220AC**STTH806TTIF5**

STMicroelectronics

**STTH802D**STMicroelectronics
DIODE GEN PURP 200V 8A TO220AC**STTH806DIRG**STMicroelectronics
DIODE GP 600V 8A TO220AC INS**STTH803G-TR**STMicroelectronics
DIODE GEN PURP 300V 8A D2PAK**STTH806DTI**STMicroelectronics
DIODE GP 600V 8A TO220AC INS**STTH802G-TR**STMicroelectronics
DIODE GEN PURP 200V 8A D2PAK**STTH803G**

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**STTH802BY-TR**STMicroelectronics
DIODE GEN PURP 200V 8A DPAK**STTH802CB-TR**STMicroelectronics
DIODE ARRAY GP 200V 4A DPAK**STTH802G**STMicroelectronics
DIODE GEN PURP 200V 8A D2PAK**STTH802CFP**STMicroelectronics
DIODE ARRAY GP 200V 4A TO220FP**STTH802CB**STMicroelectronics
DIODE ARRAY GP 200V 4A DPAK**STTH802FP**STMicroelectronics
DIODE GEN PURP 200V 8A TO220FPAC

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.



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Cost-Saving Procurement



Fast Sourcing & Delivery

Contact us if you have any questions.



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Certifications & Memberships



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