



Image may be representation.
See specifications for product details.



STTH803G-TR

Manufacturer Part Number	STTH803G-TR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STTH803G-TR
ECAD Model	PCB Footprint and Symbol
Parts Description	DIODE GEN PURP 300V 8A D2PAK
Package	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Data sheet	STTH803D/G.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STTH803G-TR - STMicroelectronics. New Original in Stock. Download Linear Technology STTH803G-TR datasheet/specifications on AllelcoElec.com.
Request a quote for STTH803G-TR, please send us email: info@allelco.com

Specifications

STTH803G-TR Tech Specifications

STTH803G-TR - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Voltage - Forward (Vf) (Max) @ If	1.25 V @ 8 A	Package	Tape & Reel (TR)
Voltage - DC Reverse (Vr) (Max)	300 V	Operating Temperature - Junction	175°C (Max)
Technology	Standard	Mounting Type	Surface Mount
Supplier Device Package	D2PAK	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 STTH803G-TR

Product Attribute				
Part Number	STTH803G-TR	STTH806G-TR	STTH802G-TR	STTH80S06W
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Series	-	-	-	-
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	80A
Voltage - DC Reverse (Vr) (Max)	300 V	600 V	200 V	600 V
Current - Reverse Leakage @ Vr	20 µA @ 300 V	8 µA @ 600 V	6 µA @ 200 V	50 µA @ 600 V
Operating Temperature - Junction	175°C (Max)	175°C (Max)	175°C (Max)	-40°C ~ 175°C
Base Product Number	STTH803	STTH806	STTH802	STTH80
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tube
Capacitance @ Vr, F	-	-	-	-
Voltage - Forward (Vf) (Max) @ If	1.25 V @ 8 A	1.85 V @ 8 A	1.05 V @ 8 A	2.2 V @ 20 A
Reverse Recovery Time (trr)	35 ns	55 ns	30 ns	75 ns
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Through Hole
Technology	Standard	Standard	Standard	Standard
Supplier Device Package	D2PAK	D2PAK	D2PAK	DO-247
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	DO-247-2 (Straight Leads)

STTH803G-TR Datasheet PDF

Download STTH803G-TR pdf datasheets and STMicroelectronics documentation for STTH803G-TR - STMicroelectronics.

Datasheets

[STTH803D/G.pdf](#)

PCN Assembly/Origin

[Mult Devices Wafer 14/May/2018.pdf](#)

PCN Packaging



















[Mult Dev Inner Box Chg 9/Dec/2021.pdf](#)

PCN Design/Specification

[D2PAK Lead Modification 04/Oct/2013.pdf](#)

Customers Also Interested in

Recommended Products

					
STTH806TTI STMicroelectronics DIODE ARRAY GP 600V 8A TO220AB	STTH806G-TR STMicroelectronics DIODE GEN PURP 600V 8A D2PAK	STTH802G-TR STMicroelectronics DIODE GEN PURP 200V 8A D2PAK	STTH80S06W STMicroelectronics DIODE GEN PURP 600V 80A DO247	STTH802D STMicroelectronics DIODE GEN PURP 200V 8A TO220AC	STTH802CB-TR STMicroelectronics DIODE ARRAY GP 200V 4A DPAK
					
STTH806DIRG STMicroelectronics DIODE GP 600V 8A TO220AC INS	STTH803G STMicroelectronics	STTH802FP STMicroelectronics DIODE GEN PURP 200V 8A TO220FPAC	STTH806D STMicroelectronics DIODE GEN PURP 600V 8A TO220AC	STTH810D STMicroelectronics DIODE GEN PURP 1KV 8A TO220AC	STTH802CFP STMicroelectronics DIODE ARRAY GP 200V 4A TO220FP
					
STTH803D STMicroelectronics DIODE GEN PURP 300V 8A TO220AC	STTH802G MOS STMicroelectronics	STTH806DTI STMicroelectronics DIODE GP 600V 8A TO220AC INS	STTH802CT STMicroelectronics DIODE ARRAY GP 200V 4A TO220AB	STTH802G STMicroelectronics DIODE GEN PURP 200V 8A D2PAK	STTH806TTIF5 STMicroelectronics

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.

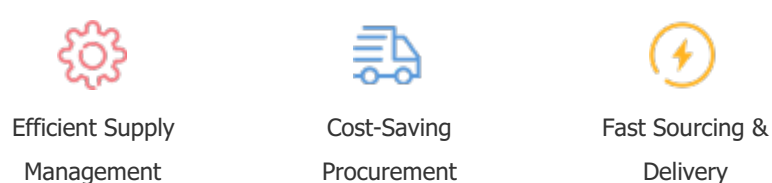
Payment Support

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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