



Image may be representation.
See specifications for product details.



STTH802G-TR

Manufacturer Part Number	STTH802G-TR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STTH802G-TR
ECAD Model	PCB Footprint and Symbol
Parts Description	DIODE GEN PURP 200V 8A D2PAK
Package	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Data sheet	STTH802.pdf
RoHs Status	ROHS3 Compliant

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STTH802G-TR - STMicroelectronics. New Original in Stock. Download Linear Technology STTH802G-TR datasheet/specifications on AllelcoElec.com.
Request a quote for STTH802G-TR, please send us email: info@allelco.com

Specifications

STTH802G-TR Tech Specifications

STTH802G-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	1.05 V @ 8 A	Package	Tape & Reel (TR)
Voltage - DC Reverse (Vr) (Max)	200 V	Operating Temperature - Junction	175°C (Max)
Technology	Standard	Mounting Type	Surface Mount
Supplier Device Package	D2PAK	Current - Reverse Leakage @ Vr	6 µA @ 200 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io)	8A
Series	-	Capacitance @ Vr, F	-
Reverse Recovery Time (trr)	30 ns	Base Product Number	STTH802

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STTH802G-TR

Product Attribute				
Part Number	STTH802G-TR	STTH806DIRG	STTH802G	STTH802BY-TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Series	-	-	-	Automotive, AEC-Q101
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-220-2 Insulated, TO-220AC	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-252-3, DPak (2 Leads + Tab), SC-63
Current - Average Rectified (Io)	8A	8A	8A	8A
Package	Tape & Reel (TR)	Tube	Tube	Tape & Reel (TR)
Reverse Recovery Time (trr)	30 ns	55 ns	30 ns	30 ns
Operating Temperature - Junction	175°C (Max)	175°C (Max)	175°C (Max)	-40°C ~ 175°C
Current - Reverse Leakage @ Vr	6 µA @ 200 V	8 µA @ 600 V	6 µA @ 200 V	6 µA @ 200 V
Capacitance @ Vr, F	-	-	-	-
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Supplier Device Package	D2PAK	TO-220AC ins	D2PAK	DPAK
Base Product Number	STTH802	STTH806	STTH802	STTH802
Mounting Type	Surface Mount	Through Hole	Surface Mount	Surface Mount
Technology	Standard	Standard	Standard	Standard
Voltage - DC Reverse (Vr) (Max)	200 V	600 V	200 V	200 V
Voltage - Forward (Vf) (Max) @ If	1.05 V @ 8 A	1.85 V @ 8 A	1.05 V @ 8 A	1.05 V @ 8 A

STTH802G-TR Datasheet PDF

Download STTH802G-TR pdf datasheets and STMicroelectronics documentation for STTH802G-TR - STMicroelectronics.

Datasheets

[STTH802.pdf](#)

PCN Packaging

[Box Label Chg 28/Jul/2016.pdf](#)

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

PCN Assembly/Origin



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

PCN Design/Specification

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

Customers Also Interested in

Recommended Products

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STTH806DIRG STMicroelectronics DIODE GP 600V 8A TO220AC INS	STTH802CFP STMicroelectronics DIODE ARRAY GP 200V 4A TO220FP	STTH802G STMicroelectronics DIODE GEN PURP 200V 8A D2PAK	STTH802CB-TR STMicroelectronics DIODE ARRAY GP 200V 4A DPAK	STTH802BY-TR STMicroelectronics DIODE GEN PURP 200V 8A DPAK	STTH802G MOS STMicroelectronics
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STTH802FP STMicroelectronics DIODE GEN PURP 200V 8A TO220FPAC	STTH806DTI STMicroelectronics DIODE GP 600V 8A TO220AC INS	STTH802B-TR STMicroelectronics DIODE GEN PURP 200V 8A DPAK	STTH803D STMicroelectronics DIODE GEN PURP 300V 8A TO220AC	STTH802CB STMicroelectronics DIODE ARRAY GP 200V 4A DPAK	STTH802CT STMicroelectronics DIODE ARRAY GP 200V 4A TO220AB
 life.augmented	 life.augmented		 life.augmented		
STTH803G STMicroelectronics	STTH806D STMicroelectronics DIODE GEN PURP 600V 8A TO220AC	STTH806G-TR STMicroelectronics DIODE GEN PURP 600V 8A D2PAK	STTH802D STMicroelectronics DIODE GEN PURP 200V 8A TO220AC	STTH806TTI STMicroelectronics DIODE ARRAY GP 600V 8A TO220AB	STTH803G-TR STMicroelectronics DIODE GEN PURP 300V 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

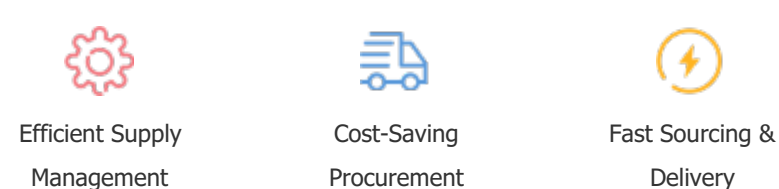
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

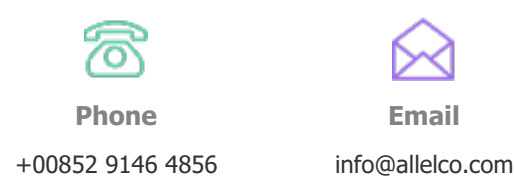
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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