



Image may be representation.
See specifications for product details.



STTH8R06G-TR

Manufacturer Part Number	STTH8R06G-TR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STTH8R06G-TR
ECAD Model	PCB Footprint and Symbol
Parts Description	DIODE GEN PURP 600V 8A D2PAK
Package	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Data sheet	STTH8R06.pdf
RoHs Status	ROHS3 Compliant

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STTH8R06G-TR - STMicroelectronics.New Original in Stock. Download Linear Technology STTH8R06G-TR datasheet/specifications on AllelcoElec.com.
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Specifications

STTH8R06G-TR Tech Specifications
STTH8R06G-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	2.9 V @ 8 A	Package	Tape & Reel (TR)
Voltage - DC Reverse (Vr) (Max)	600 V	Operating Temperature - Junction	175°C (Max)
Technology	Standard	Mounting Type	Surface Mount
Supplier Device Package	D2PAK	Current - Reverse Leakage @ Vr	30 µA @ 600 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io)	8A
Series	-	Capacitance @ Vr, F	-
Reverse Recovery Time (trr)	45 ns	Base Product Number	STTH8R06

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STTH8R06G-TR

Product Attribute				
Part Number	STTH8R06G-TR	STTH8R04G-TR	STTH8S12D	STTH8R06GY-TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
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-220-2	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Current - Average Rectified (Io)	8A	8A	8A	8A
Current - Reverse Leakage @ Vr	30 µA @ 600 V	10 µA @ 400 V	5 µA @ 1200 V	30 µA @ 600 V
Series	-	-	-	Automotive, AEC-Q101
Voltage - DC Reverse (Vr) (Max)	600 V	400 V	1200 V	600 V
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount
Base Product Number	STTH8R06	STTH8	STTH8	STTH8
Voltage - Forward (Vf) (Max) @ If	2.9 V @ 8 A	1.5 V @ 8 A	2.7 V @ 8 A	3.2 V @ 8 A
Supplier Device Package	D2PAK	D2PAK	TO-220AC	D ² PAK
Capacitance @ Vr, F	-	-	-	-
Reverse Recovery Time (trr)	45 ns	50 ns	45 ns	45 ns
Operating Temperature - Junction	175°C (Max)	-40°C ~ 175°C	175°C (Max)	-40°C ~ 175°C
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tube	Tape & Reel (TR)
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Technology	Standard	Standard	Standard	Standard

STTH8R06G-TR Datasheet PDF

Download STTH8R06G-TR pdf datasheets and STMicroelectronics documentation for STTH8R06G-TR - STMicroelectronics.

Datasheets

[STTH8R06.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

					
STTH8R04G-TR STMicroelectronics DIODE GEN PURP 400V 8A D2PAK	STTH8R0GY-TR STMicroelectronics	STTH8S12D STMicroelectronics DIODE GEN PURP 1.2KV 8A TO220AC	STTH8R06GY-TR STMicroelectronics DIODE GEN PURP 600V 8A D2PAK	STTH8S06D STMicroelectronics DIODE GEN PURP 600V 8A TO220AC	STTH8R04G STMicroelectronics DIODE GEN PURP 400V 8A D2PAK
					
STTH8ST06DI STMicroelectronics DIODE GP 600V 8A TO220AC INS	STTH8R04DIRG STMicroelectronics	STTH8R04DI STMicroelectronics DIODE GP 400V 8A TO220AC INS	STTH9012TV1 STMicroelectronics DIODE MODULE 1.2KV 45A ISOTOP	STTH8T06DI STMicroelectronics DIODE GP 600V 8A TO220AC INS	STTH8R06DIRG STMicroelectronics DIODE GP 600V 8A TO220AC INS
					
STTH8S06B-TR STMicroelectronics DIODE GEN PURP 600V 8A DPAK	STTH8R06FP STMicroelectronics DIODE GEN PURP 600V 8A TO220FPAC	STTH8S06FP STMicroelectronics DIODE GEN PURP 600V 8A TO220FPAC	STTH8R06G STMicroelectronics DIODE GEN PURP 600V 8A D2PAK	STTH8R04FP STMicroelectronics DIODE GEN PURP 400V 8A TO220FPAC	STTH8R06D STMicroelectronics DIODE GEN PURP 600V 8A TO220AC

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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