



Image may be representation.  
See specifications for product details.



## STTH8S06B-TR

Manufacturer Part Number	<b>STTH8S06B-TR</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STTH8S06B-TR
ECAD Model	PCB Footprint and Symbol
Parts Description	DIODE GEN PURP 600V 8A DPAK
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	<b>STTH8S06.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

STTH8S06B-TR - STMicroelectronics.New Original in Stock. Download Linear Technology STTH8S06B-TR datasheet/specifications on AllelcoElec.com.  
Request a quote for STTH8S06B-TR, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STTH8S06B-TR Tech Specifications

STTH8S06B-TR - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
Voltage - Forward (Vf) (Max) @ If	3.4 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	DPAK	Current - Reverse Leakage @ Vr	20 µA @ 600 V
Speed	Small Signal =< 200mA (Io), Any Speed	Current - Average Rectified (Io)	8A
Series	ECOPACK®	Capacitance @ Vr, F	-
Reverse Recovery Time (trr)	18 ns	Base Product Number	STTH8

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STTH8S06B-TR

Product Attribute				
Part Number	STTH8S06B-TR	STTH8R04G	STTH8R06D	STTH8R06G
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Current - Reverse Leakage @ Vr	20 µA @ 600 V	10 µA @ 400 V	30 µA @ 600 V	30 µA @ 600 V
Base Product Number	STTH8	STTH8R04	STTH8	STTH8R06
Voltage - DC Reverse (Vr) (Max)	600 V	400 V	600 V	600 V
Reverse Recovery Time (trr)	18 ns	50 ns	45 ns	45 ns
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	TO-220-2	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB
Operating Temperature - Junction	175°C (Max)	-40°C ~ 175°C	175°C (Max)	175°C (Max)
Package	Tape & Reel (TR)	Tube	Tube	Tube
Technology	Standard	Standard	Standard	Standard
Capacitance @ Vr, F	-	-	-	-
Supplier Device Package	DPAK	D2PAK	TO-220AC	D2PAK
Speed	Small Signal =< 200mA (Io), Any Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Current - Average Rectified (Io)	8A	8A	8A	8A
Voltage - Forward (Vf) (Max) @ If	3.4 V @ 8 A	1.5 V @ 8 A	2.9 V @ 8 A	2.9 V @ 8 A
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount
Series	ECOPACK®	-	-	-

### STTH8S06B-TR Datasheet PDF

Download STTH8S06B-TR pdf datasheets and STMicroelectronics documentation for STTH8S06B-TR - STMicroelectronics.

#### Datasheets

[STTH8S06.pdf](#)

#### PCN Packaging

[Reel Design Change 22/Aug/2022.pdf](#)

### Customers Also Interested in

#### Recommended Products

<b>STTH8R04G</b>	<b>STTH8R06D</b>	<b>STTH8R06G</b>	<b>STTH9012TV2</b>	<b>STTH8R04FP</b>	<b>STTH8S06D</b>
STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
DIODE GEN PURP 400V 8A D2PAK	DIODE GEN PURP 600V 8A TO220AC	DIODE GEN PURP 600V 8A D2PAK	DIODE MODULE 1.2KV 45A ISOTOP	DIODE GEN PURP 400V 8A TO220FAC	DIODE GEN PURP 600V 8A TO220AC



**STTH8R06GY-TR**  
STMicroelectronics  
DIODE GEN PURP 600V 8A D2PAK



**STTH9012TV1**  
STMicroelectronics  
DIODE MODULE 1.2KV 45A ISOTOP



**STTH8R04G-TR**  
STMicroelectronics  
DIODE GEN PURP 400V 8A D2PAK

**STTH8R06DIRG**  
STMicroelectronics  
DIODE GP 600V 8A TO220AC INS

**STTH8S06FP**  
STMicroelectronics  
DIODE GEN PURP 600V 8A TO220FPAC

**STTH8S60FP**  
STMicroelectronics



**STTH8ST06DI**  
STMicroelectronics  
DIODE GP 600V 8A TO220AC INS



**STTH8S12D**  
STMicroelectronics  
DIODE GEN PURP 1.2KV 8A TO220AC



**STTH8T06DI**  
STMicroelectronics  
DIODE GP 600V 8A TO220AC INS



**STTH8R0GY-TR**  
STMicroelectronics



**STTH8R06G-TR**  
STMicroelectronics  
DIODE GEN PURP 600V 8A D2PAK



**STTH8R06FP**  
STMicroelectronics  
DIODE GEN PURP 600V 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.



### Your Faithful Supply Chain Partner -

Efficient Supply Management  
 Cost-Saving Procurement  
 Fast Sourcing & Delivery

Contact us if you have any questions.

Phone  
+00852 9146 4856  
 Email  
info@allelco.com

### Certifications & Memberships



[View More](#)

### Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong  
Phone: +00852 9146 4856  
Fax: +00852 3010 8510  
Email: info@Allelco.com