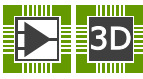





STTH810DI

Manufacturer Part Number	STTH810DI
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STTH810DI
ECAD Model	 PCB Symbol, Footprint & 3D Model
Parts Description	DIODE GEN PURP 1KV 8A TO220Ins
Package	TO-220-2
Data sheet	STTH810.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

STTH810DI - STMicroelectronics.New Original in Stock. Download Linear Technology STTH810DI datasheet/specifications on AllelcoElec.com.
Request a quote for STTH810DI, please send us email: info@allelco.com





Specifications

STTH810DI Tech Specifications
STTH810DI - 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	2 V @ 8 A	Package	Tube
Voltage - DC Reverse (Vr) (Max)	1000 V	Operating Temperature - Junction	175°C (Max)
Technology	Standard	Mounting Type	Through Hole
Supplier Device Package	TO-220Ins	Current - Reverse Leakage @ Vr	5 µA @ 1000 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io)	8A
Series	-	Capacitance @ Vr, F	-
Reverse Recovery Time (trr)	85 ns	Base Product Number	STTH810

Parts with Similar Specifications


The three parts on the right have similar specifications to STMicroelectronics STTH810DI

Product Attribute	 NO PICTURE			
Part Number	STTH810DI	STTH810FP	STTH806D	STTH812FP
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Supplier Device Package	TO-220Ins	TO-220FPAC	TO-220AC	TO-220FPAC
Package / Case	TO-220-2	TO-220-2 Full Pack, Isolated Tab	TO-220-2	TO-220-2 Full Pack, Isolated Tab
Package	Tube	Tube	Tube	Tube
Series	-	-	-	-
Reverse Recovery Time (trr)	85 ns	85 ns	55 ns	100 ns
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Operating Temperature - Junction	175°C (Max)	175°C (Max)	175°C (Max)	175°C (Max)
Current - Average Rectified (Io)	8A	8A	8A	8A
Voltage - Forward (Vf) (Max) @ If	2 V @ 8 A	2 V @ 8 A	1.85 V @ 8 A	2.2 V @ 8 A
Technology	Standard	Standard	Standard	Standard
Current - Reverse Leakage @ Vr	5 µA @ 1000 V	5 µA @ 1000 V	8 µA @ 600 V	8 µA @ 1200 V
Base Product Number	STTH810	STTH810	STTH806	STTH812
Capacitance @ Vr, F	-	-	-	-
Voltage - DC Reverse (Vr) (Max)	1000 V	1000 V	600 V	1200 V


STTH810DI Datasheet PDF

Download STTH810DI pdf datasheets and STMicroelectronics documentation for STTH810DI - STMicroelectronics.

Datasheets

 [STTH810.pdf](#)

PCN Assembly/Origin

 [ECOPACK2 Molding Compound 21/Jun/2013.pdf](#)

Customers Also Interested in

Recommended Products



STTH806TTIF5
STMicroelectronics



STTH810FP
STMicroelectronics
DIODE GEN PURP 1KV 8A TO220FPAC



STTH806D
STMicroelectronics
DIODE GEN PURP 600V 8A TO220AC



STTH812FP
STMicroelectronics
DIODE GP 1.2KV 8A TO220FPAC



STTH810G-TR
STMicroelectronics
DIODE GEN PURP 1KV 8A D2PAK



STTH8L06D
STMicroelectronics
DIODE GEN PURP 600V 8A TO220AC



STTH806TTI

STMicroelectronics
DIODE ARRAY GP 600V 8A TO220AB

STTH810D

STMicroelectronics
DIODE GEN PURP 1KV 8A TO220AC

STTH8L02DDJFY-TR

STMicroelectronics
DIODE ARRAY GP 200V 4A PWRFLAT

STTH810G

STMicroelectronics
DIODE GEN PURP 1KV 8A D2PAK

STTH806G-TR

STMicroelectronics
DIODE GEN PURP 600V 8A D2PAK

STTH812DI

STMicroelectronics
DIODE GP 1.2KV 8A TO220AC INS



STTH812D

STMicroelectronics
DIODE GEN PURP 1.2KV 8A TO220AC

STTH806DTI

STMicroelectronics
DIODE GP 600V 8A TO220AC INS

STTH806DIRG

STMicroelectronics
DIODE GP 600V 8A TO220AC INS

STTH812G-TR

STMicroelectronics
DIODE GEN PURP 1.2KV 8A D2PAK

STTH806DI

STMicroelectronics

STTH80S06W

STMicroelectronics
DIODE GEN PURP 600V 80A DO247

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
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- Email
info@allelco.com

Certifications & Memberships



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