



STTH812DI

| | |
|--------------------------|---------------------------------|
| Manufacturer Part Number | STTH812DI |
| Manufacturer | STMicroelectronics |
| Allelco Part Number | 32D-STTH812DI |
| ECAD Model | PCB Symbol, Footprint & 3D Mode |
| Parts Description | DIODE GP 1.2KV 8A TO220AC INS |
| Package | TO-220-2 Insulated, TO-220AC |
| Data sheet | STTH812.pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

STTH812DI - STMicroelectronics.New Original in Stock. Download Linear Technology STTH812DI datasheet/specifications on AllelcoElec.com.
Request a quote for STTH812DI, please send us email: info@allelco.com

Specifications

STTH812DI Tech Specifications
STTH812DI - STMicroelectronics technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|-----------------------------------|--------------------------------------|----------------------------------|------------------------------|
| Manufacturer | STMicroelectronics | Package / Case | TO-220-2 Insulated, TO-220AC |
| Voltage - Forward (Vf) (Max) @ If | 2.2 V @ 8 A | Package | Tube |
| Voltage - DC Reverse (Vr) (Max) | 1200 V | Operating Temperature - Junction | 175°C (Max) |
| Technology | Standard | Mounting Type | Through Hole |
| Supplier Device Package | TO-220AC ins | Current - Reverse Leakage @ Vr | 8 µA @ 1200 V |
| Speed | Fast Recovery =< 500ns, > 200mA (Io) | Current - Average Rectified (Io) | 8A |
| Series | - | Capacitance @ Vr, F | - |
| Reverse Recovery Time (trr) | 100 ns | Base Product Number | STTH812 |

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STTH812DI

| Product Attribute | NO PICTURE | | | |
|-----------------------------------|--------------------------------------|--------------------------------------|--|--------------------------------------|
| Part Number | STTH812DI | STTH810D | STTH812G-TR | STTH812D |
| Manufacturer | STMicroelectronics | STMicroelectronics | STMicroelectronics | STMicroelectronics |
| Package | Tube | Tube | Tape & Reel (TR) | Tube |
| Mounting Type | Through Hole | Through Hole | Surface Mount | Through Hole |
| Package / Case | TO-220-2 Insulated, TO-220AC | TO-220-2 | TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB | TO-220-2 |
| Speed | Fast Recovery =< 500ns, > 200mA (Io) | Fast Recovery =< 500ns, > 200mA (Io) | Fast Recovery =< 500ns, > 200mA (Io) | Fast Recovery =< 500ns, > 200mA (Io) |
| Voltage - DC Reverse (Vr) (Max) | 1200 V | 1000 V | 1200 V | 1200 V |
| Technology | Standard | Standard | Standard | Standard |
| Current - Reverse Leakage @ Vr | 8 µA @ 1200 V | 5 µA @ 1000 V | 8 µA @ 1200 V | 8 µA @ 1200 V |
| Operating Temperature - Junction | 175°C (Max) | 175°C (Max) | 175°C (Max) | 175°C (Max) |
| Current - Average Rectified (Io) | 8A | 8A | 8A | 8A |
| Base Product Number | STTH812 | STTH810 | STTH812 | STTH812 |
| Supplier Device Package | TO-220AC ins | TO-220AC | D2PAK | TO-220AC |
| Series | - | - | - | - |
| Voltage - Forward (Vf) (Max) @ If | 2.2 V @ 8 A | 2 V @ 8 A | 2.2 V @ 8 A | 2.2 V @ 8 A |
| Reverse Recovery Time (trr) | 100 ns | 85 ns | 100 ns | 100 ns |
| Capacitance @ Vr, F | - | - | - | - |

STTH812DI Datasheet PDF

Download STTH812DI pdf datasheets and STMicroelectronics documentation for STTH812DI - STMicroelectronics.

Datasheets

STTH812.pdf

PCN Packaging

Box Label Chg 28/Jul/2016.pdf













PCN Assembly/Origin

ECOPACK2 Molding Compound 21/Jun/2013.pdf

Customers Also Interested in

Recommended Products



| | | | | | |
|---|---|---|--|---|---|
| STTH810D STMicroelectronics DIODE GEN PURP 1KV 8A TO220AC | STTH806TTI STMicroelectronics DIODE ARRAY GP 600V 8A TO220AB | STTH812G-TR STMicroelectronics DIODE GEN PURP 1.2KV 8A D2PAK | STTH812D STMicroelectronics DIODE GEN PURP 1.2KV 8A TO220AC | STTH8L06D STMicroelectronics DIODE GEN PURP 600V 8A TO220AC | STTH806TTIF5 STMicroelectronics |
|  |  |  |  |  |  |
| STTH810DI STMicroelectronics DIODE GEN PURP 1KV 8A TO220Ins | STTH8L06DIRG STMicroelectronics DIODE GP 600V 8A TO220AC INS | STTH810FP STMicroelectronics DIODE GEN PURP 1KV 8A TO220FPAC | STTH8L06 STMicroelectronics | STTH80S06W STMicroelectronics DIODE GEN PURP 600V 80A DO247 | STTH812FP STMicroelectronics DIODE GP 1.2KV 8A TO220FPAC |
|  |  |  |  |  |  |
| STTH8L06FP STMicroelectronics DIODE GEN PURP 600V 8A TO220FPAC | STTH810G-TR STMicroelectronics DIODE GEN PURP 1KV 8A D2PAK | STTH8L02DDJFY-TR STMicroelectronics DIODE ARRAY GP 200V 4A PWRFLAT | STTH806G-TR STMicroelectronics DIODE GEN PURP 600V 8A D2PAK | STTH8L06G STMicroelectronics DIODE GEN PURP 600V 8A D2PAK | STTH810G STMicroelectronics DIODE GEN PURP 1KV 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.

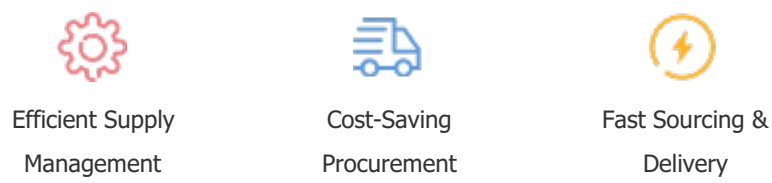
Payment Support

The payment method can be chosen from the methods shown below:

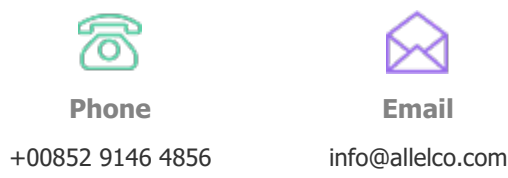
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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