





STTH512D

Manufacturer Part Number	STTH512D
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STTH512D
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	DIODE GEN PURP 1.2KV 5A TO220AC
Package	TO-220-2
Data sheet	STTH512.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

STTH512D - STMicroelectronics.New Original in Stock. Download Linear Technology STTH512D datasheet/specifications on AllelcoElec.com.

Request a quote for STTH512D, please send us email: info@allelco.com

Specifications





STTH512D Tech Specifications

STTH512D - 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	2.2 V @ 5 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	Current - Reverse Leakage @ Vr	5 µA @ 1200 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io)	5A
Series	-	Capacitance @ Vr, F	-
Reverse Recovery Time (trr)	95 ns	Base Product Number	STTH512

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STTH512D

Product Attribute	 NO PICTURE			
Part Number	STTH512D	STTH506D	STTH4R02UY	STTH5L06FP
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
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
Current - Reverse Leakage @ Vr	5 µA @ 1200 V	5 µA @ 600 V	3 µA @ 200 V	5 µA @ 600 V
Current - Average Rectified (Io)	5A	5A	4A	5A
Voltage - DC Reverse (Vr) (Max)	1200 V	600 V	200 V	600 V
Supplier Device Package	TO-220AC	TO-220AC	SMB	TO-220FPAC
Voltage - Forward (Vf) (Max) @ If	2.2 V @ 5 A	1.85 V @ 5 A	1.05 V @ 4 A	1.3 V @ 5 A
Capacitance @ Vr, F	-	-	-	-
Package / Case	TO-220-2	TO-220-2	DO-214AA, SMB	TO-220-2 Full Pack, Isolated Tab
Series	-	-	Q Automotive	-
Reverse Recovery Time (trr)	95 ns	50 ns	30 ns	95 ns
Mounting Type	Through Hole	Through Hole	Surface Mount	Through Hole
Package	Tube	Tube	Tape & Reel (TR)	Tube
Operating Temperature - Junction	175°C (Max)	175°C (Max)	-40°C ~ 175°C	175°C (Max)
Base Product Number	STTH512	STTH506	STTH4	STTH5


STTH512D Datasheet PDF

Download STTH512D pdf datasheets and STMicroelectronics documentation for STTH512D - STMicroelectronics.


Datasheets

 [STTH512.pdf](#)

PCN Design/Specification

 [Mult Dev Adv Material Notice 8/Apr/2019.pdf](#)

PCN Assembly/Origin

 [Mult Dev Mold Compound Chg 1/May/2019.pdf](#)

Customers Also Interested in

Recommended Products



STTH506D
STMicroelectronics
DIODE GEN PURP 600V 5A TO220AC



STTH506FP
STMicroelectronics



STTH506B
STMicroelectronics
DIODE GEN PURP 600V 5A DPAK

STTH4R02UY
STMicroelectronics
DIODE GEN PURP 200V 4A SMB



STTH5L06D
STMicroelectronics
DIODE GEN PURP 600V 5A TO220AC

STTH5L06FP
STMicroelectronics
DIODE GEN PURP 600V 5A TO220FPAC



STTH512FP
STMicroelectronics
DIODE GP 1.2KV 5A TO220FPAC

STTH50W03CW
STMicroelectronics
DIODE ARRAY GP 300V 25A TO247



STTH5L06B-TR
STMicroelectronics
DIODE GEN PURP 600V 5A DPAK

STTH512B-TR
STMicroelectronics
DIODE GEN PURP 1.2KV 5A DPAK



STTH504U
STMicroelectronics
DIODE GEN PURP 400V 5A



STTH5R06B
STMicroelectronics
DIODE GEN PURP 600V 5A DPAK



STTH506B-TR
STMicroelectronics
DIODE GEN PURP 600V 5A DPAK



STTH512B
STMicroelectronics
DIODE GEN PURP 1.2KV 5A DPAK



STTH506DTI
STMicroelectronics
DIODE GP 600V 5A TO220AC INS



STTH5L06B
STMicroelectronics
DIODE GEN PURP 600V 5A DPAK



STTH5L06RL
STMicroelectronics
DIODE GEN PURP 600V 5A DO201AD

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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Efficient Supply Management
 Cost-Saving Procurement
 Fast Sourcing & Delivery

Contact us if you have any questions.

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Certifications & Memberships



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