



STTH5L06D

Manufacturer Part Number	STTH5L06D
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STTH5L06D
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	DIODE GEN PURP 600V 5A TO220AC
Package	TO-220-2
Data sheet	STTH5L06.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STTH5L06D - STMicroelectronics.New Original in Stock. Download Linear Technology STTH5L06D datasheet/specifications on AllelcoElec.com.
Request a quote for STTH5L06D, please send us email: info@allelco.com

Specifications

STTH5L06D Tech Specifications
STTH5L06D - 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	1.3 V @ 5 A	Package	Tube
Voltage - DC Reverse (Vr) (Max)	600 V	Operating Temperature - Junction	175°C (Max)
Technology	Standard	Mounting Type	Through Hole
Supplier Device Package	TO-220AC	Current - Reverse Leakage @ Vr	5 µA @ 600 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	STTH5

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STTH5L06D

Product Attribute				
Part Number	STTH5L06D	STTH5L06B-TR	STTH5R06DJF-TR	STTH512B-TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Operating Temperature - Junction	175°C (Max)	175°C (Max)	175°C (Max)	175°C (Max)
Voltage - Forward (Vf) (Max) @ If	1.3 V @ 5 A	1.3 V @ 5 A	2 V @ 5 A	2.2 V @ 5 A
Supplier Device Package	TO-220AC	DPAK	PowerFlat™ (5x6)	DPAK
Base Product Number	STTH5	STTH5	STTH5	STTH512
Voltage - DC Reverse (Vr) (Max)	600 V	600 V	600 V	1200 V
Current - Reverse Leakage @ Vr	5 µA @ 600 V	5 µA @ 600 V	60 µA @ 600 V	5 µA @ 1200 V
Mounting Type	Through Hole	Surface Mount	Surface Mount	Surface Mount
Capacitance @ Vr, F	-	-	-	-
Package	Tube	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Reverse Recovery Time (trr)	95 ns	95 ns	55 ns	95 ns
Current - Average Rectified (Io)	5A	5A	5A	5A
Technology	Standard	Standard	Standard	Standard
Package / Case	TO-220-2	TO-252-3, DPak (2 Leads + Tab), SC-63	8-PowerVDFN	TO-252-3, DPak (2 Leads + Tab), SC-63
Series	-	-	-	-
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)

STTH5L06D Datasheet PDF

Download STTH5L06D pdf datasheets and STMicroelectronics documentation for STTH5L06D - STMicroelectronics.

Datasheets

[STTH5L06.pdf](#)

PCN Assembly/Origin

[Mult Devices Wafer 14/May/2018.pdf](#)

PCN Design/Specification

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

Customers Also Interested in

Recommended Products



STTH512G

STMicroelectronics

STTH512G
STMicroelectronics
DIODE GEN PURP 600V 5A DO201AD**STTH5L06B-TR**STMicroelectronics
DIODE GEN PURP 600V 5A DPAKSTTH5L06B-TR
STMicroelectronics
DIODE GEN PURP 600V 5A DPAK**STTH5R06DJF-TR**STMicroelectronics
DIODE GEN PURP 600V 5A
POWERFLATSTTH5R06DJF-TR
STMicroelectronics
DIODE GEN PURP 600V 5A DPAK**STTH512B-TR**STMicroelectronics
DIODE GEN PURP 1.2KV 5A DPAKSTTH512B-TR
STMicroelectronics
DIODE ARRAY GP 300V 25A TO247**STTH5R06BY-TR**STMicroelectronics
DIODE GEN PURP 600V 5A DPAKSTTH5R06BY-TR
STMicroelectronics
DIODE GP 1.2KV 5A TO220FPAC**STTH5L06**STMicroelectronics
DIODE GEN PURP 600V 5A DO201ADSTTH5L06
STMicroelectronics
DIODE GEN PURP 600V 5A
TO220FPACSTTH512D
STMicroelectronics
DIODE GEN PURP 1.2KV 5A TO220ACSTTH5L06FP
STMicroelectronics
DIODE GEN PURP 600V 5A
TO220FPACSTTH5R06G-TR
STMicroelectronics
DIODE GEN PURP 600V 5A D2PAKSTTH5R06D
STMicroelectronics
DIODE GEN PURP 600V 5A TO220ACSTTH5R06B
STMicroelectronics
DIODE GEN PURP 600V 5A DPAKSTTH512B
STMicroelectronics
DIODE GEN PURP 1.2KV 5A DPAK

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