



# STTH5L06FP

Manufacturer Part Number	<b>STTH5L06FP</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STTH5L06FP
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	DIODE GEN PURP 600V 5A TO220FPAC
Package	TO-220-2 Full Pack, Isolated Tab
Data sheet	<b>STTH5L06.pdf</b>
RoHs Status	ROHS3 Compliant

Get a Quote

STTH5L06FP - STMicroelectronics.New Original in Stock. Download Linear Technology STTH5L06FP datasheet/specifications on AllelcoElec.com.  
Request a quote for STTH5L06FP, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

STTH5L06FP Tech Specifications  
STTH5L06FP - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package / Case	TO-220-2 Full Pack, Isolated Tab
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-220FPAC	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 STTH5L06FP

Product Attribute				
Part Number	STTH5L06FP	STTH5L06B-TR	STTH512B	STTH512B-TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Supplier Device Package	TO-220FPAC	DPAK	DPAK	DPAK
Current - Reverse Leakage @ Vr	5 µA @ 600 V	5 µA @ 600 V	5 µA @ 1200 V	5 µA @ 1200 V
Package / Case	TO-220-2 Full Pack, Isolated Tab	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63
Current - Average Rectified (Io)	5A	5A	5A	5A
Capacitance @ Vr, F	-	-	-	-
Base Product Number	STTH5	STTH5	STTH512	STTH512
Voltage - Forward (Vf) (Max) @ If	1.3 V @ 5 A	1.3 V @ 5 A	2.2 V @ 5 A	2.2 V @ 5 A
Package	Tube	Tape & Reel (TR)	Tube	Tape & Reel (TR)
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Reverse Recovery Time (trr)	95 ns	95 ns	95 ns	95 ns
Voltage - DC Reverse (Vr) (Max)	600 V	600 V	1200 V	1200 V
Technology	Standard	Standard	Standard	Standard
Series	-	-	-	-
Operating Temperature - Junction	175°C (Max)	175°C (Max)	175°C (Max)	175°C (Max)
Mounting Type	Through Hole	Surface Mount	Surface Mount	Surface Mount

## STTH5L06FP Datasheet PDF

Download STTH5L06FP pdf datasheets and STMicroelectronics documentation for STTH5L06FP - STMicroelectronics.

### Datasheets

STTH5L06.pdf

### PCN Packaging

Box Label Chg 28/Jul/2016.pdf

### PCN Assembly/Origin

Mult Devices Wafer 14/May/2018.pdf

## Customers Also Interested in

### Recommended Products



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

**STTH512G**  
STMicroelectronics

**STTH512B**  
STMicroelectronics  
DIODE GEN PURP 1.2KV 5A DPAK

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

**STTH512D**  
STMicroelectronics  
DIODE GEN PURP 1.2KV 5A TO220AC

**STTH5L06**  
STMicroelectronics  
DIODE GEN PURP 600V 5A DO201AD



**STTH5R06B-TR**  
STMicroelectronics  
DIODE GEN PURP 600V 5A DPAK

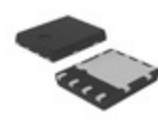
**STTH5R06FP**  
STMicroelectronics  
DIODE GEN PURP 600V 5A TO220FPAC

**STTH5R06BY-TR**  
STMicroelectronics  
DIODE GEN PURP 600V 5A DPAK

**STTH5R06G-TR**  
STMicroelectronics  
DIODE GEN PURP 600V 5A D2PAK

**STTH5R06D**  
STMicroelectronics  
DIODE GEN PURP 600V 5A TO220AC

**STTH5L06B MOS**  
STMicroelectronics



**STTH5L06D**  
STMicroelectronics  
DIODE GEN PURP 600V 5A TO220AC

**STTH5R06DJF-TR**  
STMicroelectronics  
DIODE GEN PURP 600V 5A POWERFLAT

**STTH512FP**  
STMicroelectronics  
DIODE GP 1.2KV 5A TO220FPAC

**STTH5L06RL**  
STMicroelectronics  
DIODE GEN PURP 600V 5A DO201AD

**STTH5R06B**  
STMicroelectronics  
DIODE GEN PURP 600V 5A DPAK

**STTH5L06B**  
STMicroelectronics  
DIODE GEN PURP 600V 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