



# STTH15L06D

Manufacturer Part Number	<b>STTH15L06D</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STTH15L06D
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	DIODE GEN PURP 600V 15A TO220AC
Package	TO-220-2
Data sheet	<b>STTH15L06.pdf</b>
RoHs Status	ROHS3 Compliant

Get a Quote

STTH15L06D - STMicroelectronics.New Original in Stock. Download Linear Technology STTH15L06D datasheet/specifications on AllelcoElec.com.  
Request a quote for STTH15L06D, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

STTH15L06D Tech Specifications  
STTH15L06D - 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	1.55 V @ 15 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	15 µA @ 600 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io)	15A
Series	-	Capacitance @ Vr, F	-
Reverse Recovery Time (trr)	85 ns	Base Product Number	STTH15

## Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STTH15L06D

Product Attribute	NO PICTURE	life.augmented		
Part Number	STTH15L06D	STTH1512PI	STTH1512GY-TR	STTH1512G-TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Reverse Recovery Time (trr)	85 ns	105 ns	105 ns	105 ns
Current - Reverse Leakage @ Vr	15 µA @ 600 V	15 µA @ 1200 V	15 µA @ 1200 V	15 µA @ 1200 V
Capacitance @ Vr, F	-	-	-	-
Current - Average Rectified (Io)	15A	15A	15A	15A
Operating Temperature - Junction	175°C (Max)	175°C (Max)	-40°C ~ 175°C	175°C (Max)
Supplier Device Package	TO-220AC	DOP31	D <sup>2</sup> PAK	D <sup>2</sup> PAK
Series	-	-	Automotive, AEC-Q101	-
Package / Case	TO-220-2	DOP31-2 Insulated (Straight Leads)	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB
Voltage - DC Reverse (Vr) (Max)	600 V	1200 V	1200 V	1200 V
Base Product Number	STTH15	STTH1512	STTH1512	STTH1512
Package	Tube	Tube	Tape & Reel (TR)	Tape & Reel (TR)
Voltage - Forward (Vf) (Max) @ If	1.55 V @ 15 A	2.1 V @ 15 A	1.9 V @ 15 A	2.1 V @ 15 A
Technology	Standard	Standard	Standard	Standard
Mounting Type	Through Hole	Through Hole	Surface Mount	Surface Mount
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)

## STTH15L06D Datasheet PDF

Download STTH15L06D pdf datasheets and STMicroelectronics documentation for STTH15L06D - STMicroelectronics.

### Datasheets

[STTH15L06.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



**STTH15AC06CT**STMicroelectronics  
DIODE ARRAY GP 600V 7.5A  
TO220AB**STTH1512G-TR**STMicroelectronics  
DIODE GEN PURP 1.2KV 15A D2PAK**STTH1512PI**STMicroelectronics  
DIODE GEN PURP 1.2KV 15A DOP31**STTH15L06G**STMicroelectronics  
DIODE GEN PURP 600V 20A D2PAK**STTH15NB50FI**

STMRC

**STTH1512G**STMicroelectronics  
DIODE GEN PURP 1.2KV 15A D2PAK**STTH15L06**

STMicroelectronics

**STTH15R06D**STMicroelectronics  
DIODE GEN PURP 600V 15A  
TO220AC**STTH15AC06CFP**STMicroelectronics  
DIODE ARRAY GP 600V 7.5A  
TO220FP**STTH15L06FP**STMicroelectronics  
DIODE GP 600V 15A TO220FPAC**STTH1512GY-TR**STMicroelectronics  
DIODE GEN PURP 1.2KV 15A D2PAK**STTH15AC06FP**STMicroelectronics  
DIODE GP 600V 15A TO220FPAC**STTH1512W**STMicroelectronics  
DIODE GEN PURP 1.2KV 15A DO247**STTH15R06FD**

STMicroelectronics

**STTH15L06G-TR**STMicroelectronics  
DIODE GEN PURP 600V 20A D2PAK**STTH15R06FP**STMicroelectronics  
DIODE GP 600V 15A TO220FPAC**STTH1560TPI**

STMicroelectronics

**STTH15L06FP/7**

STMicroelectronics

## 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