



Image may be representation.  
See specifications for product details.



## STTH3R06U

Manufacturer Part Number	<b>STTH3R06U</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STTH3R06U
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	DIODE GEN PURP 600V 3A SMB
Package	DO-214AA, SMB
Data sheet	<b>STTH3R06.pdf</b>
RoHs Status	ROHS3 Compliant

**Get a Quote**

STTH3R06U - STMicroelectronics.New Original in Stock. Download Linear Technology STTH3R06U datasheet/specifications on AllelcoElec.com.  
Request a quote for STTH3R06U, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STTH3R06U Tech Specifications  
STTH3R06U - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package / Case	DO-214AA, SMB
Voltage - Forward (Vf) (Max) @ If	1.7 V @ 3 A	Package	Tape & Reel (TR)
Voltage - DC Reverse (Vr) (Max)	600 V	Operating Temperature - Junction	175°C (Max)
Technology	Standard	Mounting Type	Surface Mount
Supplier Device Package	SMB	Current - Reverse Leakage @ Vr	3 µA @ 600 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io)	3A
Series	-	Capacitance @ Vr, F	-
Reverse Recovery Time (trr)	35 ns	Base Product Number	STTH3

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STTH3R06U

Product Attribute				
Part Number	STTH3R06U	STTH4L06RL	STTH3R04S	STTH3R06RL
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Technology	Standard	Standard	Standard	Standard
Current - Average Rectified (Io)	3A	4A	3A	3A
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Voltage - Forward (Vf) (Max) @ If	1.7 V @ 3 A	1.3 V @ 3 A	1.5 V @ 3 A	1.7 V @ 3 A
Series	-	-	-	-
Package / Case	DO-214AA, SMB	DO-201AD, Axial	DO-214AB, SMC	DO-201AD, Axial
Voltage - DC Reverse (Vr) (Max)	600 V	600 V	400 V	600 V
Capacitance @ Vr, F	-	-	-	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Current - Reverse Leakage @ Vr	3 µA @ 600 V	3 µA @ 600 V	5 µA @ 400 V	3 µA @ 600 V
Base Product Number	STTH3	STTH4L06	STTH3	STTH3
Operating Temperature - Junction	175°C (Max)	175°C (Max)	175°C (Max)	175°C (Max)
Supplier Device Package	SMB	DO-201AD	SMC	DO-201AD
Reverse Recovery Time (trr)	35 ns	75 ns	35 ns	35 ns
Mounting Type	Surface Mount	Through Hole	Surface Mount	Through Hole

### STTH3R06U Datasheet PDF

Download STTH3R06U pdf datasheets and STMicroelectronics documentation for STTH3R06U - STMicroelectronics.

#### Datasheets

[STTH3R06.pdf](#)

#### PCN Packaging

[Box Label Chg 28/Jul/2016.pdf](#)

#### Design Resources

[20 W Non-Isolated Buck LED Driver Using PL LNK460K.pdf](#)

#### PCN Assembly/Origin

[STTHyy A/T Site Chgs 25/Jan/2021.pdf](#)

### Customers Also Interested in

## Recommended Products



**STTH3R04RL**  
STMicroelectronics



**STTH40P03S**  
STMicroelectronics



**STTH4L06RL**  
STMicroelectronics  
DIODE GEN PURP 600V 4A DO201AD



**STTH3R04S**  
STMicroelectronics  
DIODE GEN PURP 400V 3A SMC



**STTH3R06-TR**  
STMicroelectronics



**STTH3R06RL**  
STMicroelectronics  
DIODE GEN PURP 600V 3A DO201AD



**STTH3R02S**  
STMicroelectronics  
DIODE GEN PURP 200V 3A SMC



**STTH3R04U**  
STMicroelectronics  
DIODE GEN PURP 400V 3A SMB



**STTH4R02**  
STMicroelectronics  
DIODE GEN PURP 200V 4A DO201AB



**STTH4R02B**  
STMicroelectronics  
DIODE GEN PURP 200V 4A DPAK



**STTH40P03SFP**  
STMicroelectronics  
DIODE GEN PURP 300V 40A TO220FP



**STTH3R06**  
STMicroelectronics  
DIODE GEN PURP 600V 3A DO201AD



**STTH3R06S-H/Z**  
STMicroelectronics



**STTH3R06S**  
STMicroelectronics  
DIODE GEN PURP 600V 3A SMC



**STTH40P03SFP3**  
STMicroelectronics



**STTH3R04**  
STMicroelectronics  
DIODE GEN PURP 400V 3A DO201AD



**STTH4R02B-TR**  
STMicroelectronics  
DIODE GEN PURP 200V 4A DPAK



**STTH3R04RL**  
STMicroelectronics  
DIODE GEN PURP 400V 3A 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.



## Your Faithful Supply Chain Partner -



Efficient Supply Management



Cost-Saving Procurement



Fast Sourcing & Delivery

Contact us if you have any questions.



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Email  
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## Certifications & Memberships



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