



Image may be representation.
See specifications for product details.



STTH1R06U

Manufacturer Part Number	STTH1R06U
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STTH1R06U
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	DIODE GEN PURP 600V 1A SMB
Package	DO-214AA, SMB
Data sheet	STTH1R06.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STTH1R06U - STMicroelectronics.New Original in Stock. Download Linear Technology STTH1R06U datasheet/specifications on AllelcoElec.com.
Request a quote for STTH1R06U, please send us email: info@allelco.com

Specifications

STTH1R06U Tech Specifications
STTH1R06U - 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 @ 1 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	1 µA @ 600 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io)	1A
Series	-	Capacitance @ Vr, F	-
Reverse Recovery Time (trr)	45 ns	Base Product Number	STTH1

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STTH1R06U

Product Attribute				
Part Number	STTH1R06U	STTH1R06RL	STTH1R04RL	STTH1R04U
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Technology	Standard	Standard	Standard	Standard
Voltage - DC Reverse (Vr) (Max)	600 V	600 V	400 V	400 V
Series	-	-	-	-
Current - Average Rectified (Io)	1A	1A	1A	1A
Voltage - Forward (Vf) (Max) @ If	1.7 V @ 1 A	1.7 V @ 1 A	1.5 V @ 1 A	1.5 V @ 1 A
Package / Case	DO-214AA, SMB	DO-204AL, DO-41, Axial	DO-204AL, DO-41, Axial	DO-214AA, SMB
Operating Temperature - Junction	175°C (Max)	175°C (Max)	175°C (Max)	175°C (Max)
Reverse Recovery Time (trr)	45 ns	45 ns	30 ns	30 ns
Mounting Type	Surface Mount	Through Hole	Through Hole	Surface Mount
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Capacitance @ Vr, F	-	-	-	-
Current - Reverse Leakage @ Vr	1 µA @ 600 V	1 µA @ 600 V	5 µA @ 400 V	5 µA @ 400 V
Base Product Number	STTH1	STTH1	STTH1	STTH1
Supplier Device Package	SMB	DO-41	DO-41	SMB

STTH1R06U Datasheet PDF

Download STTH1R06U pdf datasheets and STMicroelectronics documentation for STTH1R06U - STMicroelectronics.

Datasheets

[STTH1R06.pdf](#)

PCN Packaging

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

PCN Assembly/Origin

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

Customers Also Interested in

Recommended Products



STTH20002TV2
STMicroelectronics
IGBT Module



STTH1R06RL
STMicroelectronics
DIODE GEN PURP 600V 1A DO41



STTH1R06A-TR
STMicroelectronics



STTH2002CFP
STMicroelectronics
DIODE ARRAY GP 200V 10A TO220FP



STTH2002C6
STMicroelectronics



STTH1R06R
STMicroelectronics



STTH2002CG
STMicroelectronics
DIODE ARRAY GP 200V 15A D2PAK



STTH1R06U/Z
STMicroelectronics



STTH1R04RL
STMicroelectronics
DIODE GEN PURP 400V 1A DO41



STTH1R04U
STMicroelectronics
DIODE GEN PURP 400V 1A SMB



STTH1R06A
STMicroelectronics
DIODE GEN PURP 600V 1A SMA



STTH20003TV1
STMicroelectronics
DIODE MODULE 300V 100A ISOTOP



STTH1R06
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DIODE GEN PURP 600V 1A DO41



STTH1R06A-H/N
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STTH20004TV1
STMicroelectronics
DIODE MODULE 400V 120A ISOTOP



STTH1R06A-H
STMicroelectronics



STTH20002TV1
STMicroelectronics
DIODE MODULE 200V 120A ISOTOP



STTH1R06-H/N
STM

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
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Certifications & Memberships



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