





STTH3006PI

Manufacturer Part Number	STTH3006PI
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STTH3006PI
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	DIODE GEN PURP 600V 30A DOP3I
Package	DOP3I-2 Insulated (Straight Leads)
Data sheet	STTH3006.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

STTH3006PI - STMicroelectronics.New Original in Stock. Download Linear Technology STTH3006PI datasheet/specifications on AllelcoElec.com.

Request a quote for STTH3006PI, please send us email: info@allelco.com

Specifications





STTH3006PI Tech Specifications

STTH3006PI - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package / Case	DOP3I-2 Insulated (Straight Leads)
Voltage - Forward (Vf) (Max) @ If	1.85 V @ 30 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	DOP3I	Current - Reverse Leakage @ Vr	25 µA @ 600 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io)	30A
Series	-	Capacitance @ Vr, F	-
Reverse Recovery Time (trr)	70 ns	Base Product Number	STTH3006

Parts with Similar Specifications


The three parts on the right have similar specifications to STMicroelectronics STTH3006PI

Product Attribute				
Part Number	STTH3006PI	STTH3010W	STTH3002W	STTH3006W
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Base Product Number	STTH3006	STTH3010	STTH30	STTH3006
Technology	Standard	Standard	Standard	Standard
Supplier Device Package	DOP3I	DO-247	DO-247	DO-247
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Package	Tube	Tube	Tube	Tube
Series	-	-	-	-
Current - Reverse Leakage @ Vr	25 µA @ 600 V	15 µA @ 1000 V	20 µA @ 200 V	25 µA @ 600 V
Voltage - Forward (Vf) (Max) @ If	1.85 V @ 30 A	2 V @ 30 A	1.05 V @ 30 A	1.85 V @ 30 A
Package / Case	DOP3I-2 Insulated (Straight Leads)	DO-247-2 (Straight Leads)	DO-247-2 (Straight Leads)	DO-247-2 (Straight Leads)
Reverse Recovery Time (trr)	70 ns	100 ns	50 ns	70 ns
Current - Average Rectified (Io)	30A	30A	30A	30A
Capacitance @ Vr, F	-	-	-	-
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Operating Temperature - Junction	175°C (Max)	175°C (Max)	175°C (Max)	175°C (Max)
Voltage - DC Reverse (Vr) (Max)	600 V	1000 V	200 V	600 V


STTH3006PI Datasheet PDF

Download STTH3006PI pdf datasheets and STMicroelectronics documentation for STTH3006PI - STMicroelectronics.

Datasheets


 [STTH3006.pdf](#)

PCN Packaging


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

PCN Design/Specification

 [Halogen Free 01/Jun/2016.pdf](#)



















 [TOP3 Mold Cavity Marking 19/Jul/2019.pdf](#)

PCN Assembly/Origin

 [STTH15/STTH30/STTH60 16/Apr/2021.pdf](#)

Customers Also Interested in

Recommended Products

					
STTH3002CG-TR STMicroelectronics DIODE ARRAY GP 200V 15A D2PAK	STTH3010W STMicroelectronics DIODE GEN PURP 1KV 30A DO247	STTH3002W STMicroelectronics DIODE GEN PURP 200V 30A DO247	STTH3006W STMicroelectronics DIODE GEN PURP 600V 30A DO247	STTH3006DPI STMicroelectronics DIODE GEN PURP 600V 30A DOP3I	STTH3006D STMicroelectronics DIODE GEN PURP 600V 30A TO220AC
					
STTH3012W STMicroelectronics DIODE GEN PURP 1.2KV 30A DO247	STTH3010GY-TR STMicroelectronics DIODE GEN PURP 1KV 30A D2PAK	STTH3002G-TR STMicroelectronics DIODE GEN PURP 200V 30A D2PAK	STTH302 STMicroelectronics DIODE GEN PURP 200V 3A DO201AD	STTH3012D STMicroelectronics DIODE GEN PURP 1.2KV 30A TO220AC	STTH3010D STMicroelectronics DIODE GEN PURP 1KV 30A TO220AC
					
STTH3010PI STMicroelectronics DIODE GEN PURP 1KV 30A DOP3I	STTH3003CW STMicroelectronics DIODE ARRAY GP 300V 15A TO247-3	STTH3002CT STMicroelectronics DIODE ARRAY GP 200V 15A TO220AB	STTH3002G STMicroelectronics DIODE GEN PURP 200V 30A D2PAK	STTH3002CW STMicroelectronics DIODE ARRAY GP 200V 15A TO247-3	STTH302S STMicroelectronics DIODE GEN PURP 200V 3A SMC

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.



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Contact us if you have any questions.

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Certifications & Memberships



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