



STTA506D

Manufacturer Part Number	STTA506D
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STTA506D
ECAD Model	Request Free CAD Models
Parts Description	DIODE GEN PURP 600V 5A TO220AC
Package	TO-220-2
Data sheet	STTA506x.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

STTA506D - STMicroelectronics.New Original in Stock. Download Linear Technology STTA506D datasheet/specifications on AllelcoElec.com.

Request a quote for STTA506D, please send us email: info@allelco.com

Specifications

STTA506D Tech Specifications

STTA506D - 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	1.75 V @ 5 A	Package	Tube
Voltage - DC Reverse (Vr) (Max)	600 V	Operating Temperature - Junction	150°C (Max)
Technology	Standard	Mounting Type	Through Hole
Supplier Device Package	TO-220AC	Current - Reverse Leakage @ Vr	100 µA @ 600 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io)	5A
Series	TURBOSWITCH™	Capacitance @ Vr, F	-
Reverse Recovery Time (trr)	50 ns	Base Product Number	STTA506

Parts with Similar Specifications

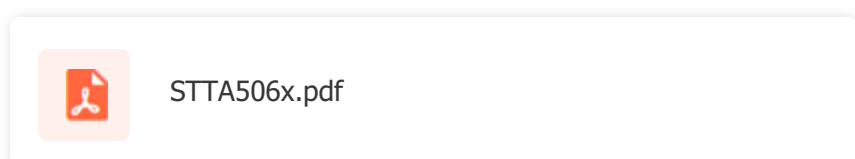
The three parts on the right have similar specifications to STMicroelectronics STTA506D

Product Attribute	NO PICTURE			
Part Number	STTA506D	STTA512FP	STTA512F	STTA406
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Technology	Standard	Standard	Standard	Standard
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Operating Temperature - Junction	150°C (Max)	150°C (Max)	150°C (Max)	125°C (Max)
Package / Case	TO-220-2	TO-220-2 Full Pack, Isolated Tab	ISOWATT220AC-3	DO-201AD, Axial
Current - Reverse Leakage @ Vr	100 µA @ 600 V	100 µA @ 1200 V	100 µA @ 1200 V	50 µA @ 600 V
Package	Tube	Tube	Tube	Tape & Box (TB)
Current - Average Rectified (Io)	5A	5A	5A	4A
Series	TURBOSWITCH™	TURBOSWITCH™	TURBOSWITCH™	TURBOSWITCH™
Voltage - DC Reverse (Vr) (Max)	600 V	1200 V	1200 V	600 V
Voltage - Forward (Vf) (Max) @ If	1.75 V @ 5 A	2.2 V @ 5 A	2.2 V @ 5 A	1.75 V @ 4 A
Base Product Number	STTA506	STTA512	STTA512	STTA406
Supplier Device Package	TO-220AC	TO-220FPAC	ISOWATT-220AC	DO-201AD
Capacitance @ Vr, F	-	-	-	-
Reverse Recovery Time (trr)	50 ns	95 ns	95 ns	55 ns

STTA506D Datasheet PDF

Download STTA506D pdf datasheets and STMicroelectronics documentation for STTA506D - STMicroelectronics.

Datasheets



Customers Also Interested in

Recommended Products



STTA512FP

STMicroelectronics
DIODE GP 1.2KV 5A TO220FPAC



STTA512F

STMicroelectronics
DIODE GP 1.2KV 5A ISOWATT-220AC



STTA506F

STMicroelectronics



STTA6006TV

STMicroelectronics
IGBT Module



STTA506

STMicroelectronics



STTA406

STMicroelectronics
DIODE GEN PURP 600V 4A DO201AD



STTA6001TV1STMicroelectronics
IGBT Module**STTA3006PI**
STMicroelectronics**STTA5012TV1**

IGBT Module

**STTA60006**
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IGBT Module**STTA506B MOS**

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**STTA5012TV**
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IGBT Module**STTA506B**STMicroelectronics
DIODE GEN PURP 600V 5A DPAK**STTA3006P**
STMicroelectronics
DIODE ARRAY GP 600V 30A SOD93**STTA306B-TR**STMicroelectronics
DIODE GEN PURP 600V 3A DPAK**STTA6006TV1**
STMicroelectronics
DIODE MODULE 600V 30A ISOTOP**STTA512B**STMicroelectronics
DIODE GEN PURP 1.2KV 5A DPAK**STTA512D**
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.



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Cost-Saving Procurement



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Contact us if you have any questions.



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Certifications & Memberships



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