STTH16L06CT

Image may be representation.
See specifications for product details.

Manufacturer Part Number	**STTH16L06CT**
Manufacturer	**STMicroelectronics**
Allelco Part Number	32D-STTH16L06CT
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	DIODE ARRAY GP 600V 10A TO220AB
Package	TO-220-3
Data sheet	**STTH16L06C.pdf**
RoHs Status	ROHS3 Compliant

Get a Quote

STTH16L06CT - STMicroelectronics.New Original in Stock. Download Linear Technology STTH16L06CT datasheet/specifications on AllelcoElec.com.
Request a quote for STTH16L06CT, please send us email: info@allelco.com

Specifications

STTH16L06CT Tech Specifications
STTH16L06CT - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package / Case	TO-220-3
Voltage - Forward (Vf) (Max) @ If	1.8 V @ 8 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-220	Diode Configuration	1 Pair Common Cathode
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Reverse Leakage @ Vr	8 µA @ 600 V
Series	-	Current - Average Rectified (Io) (per Diode)	10A
Reverse Recovery Time (trr)	55 ns	Base Product Number	STTH16

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STTH16L06CT

Product Attribute				
Part Number	STTH16L06CT	STTH16BC065CT	STTH16L06CG	STTH1602CG-TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Package / Case	TO-220-3	TO-220-3	TO-263-3, D²Pak (2 Leads + Tab), TO-263AB	TO-263-3, D²Pak (2 Leads + Tab), TO-263AB
Voltage - DC Reverse (Vr) (Max)	600 V	650 V	600 V	200 V
Voltage - Forward (Vf) (Max) @ If	1.8 V @ 8 A	3.2 V @ 8 A	1.8 V @ 8 A	1.1 V @ 8 A
Current - Average Rectified (Io) (per Diode)	10A	16A	10A	10A
Technology	Standard	Standard	Standard	Standard
Package	Tube	Tube	Tube	Tape & Reel (TR)
Operating Temperature - Junction	175°C (Max)	-	175°C (Max)	175°C (Max)
Series	-	-	-	-
Supplier Device Package	TO-220	TO-220	D2PAK	D2PAK
Current - Reverse Leakage @ Vr	8 µA @ 600 V	-	8 µA @ 600 V	6 µA @ 200 V
Base Product Number	STTH16	STTH16	STTH16	STTH1602
Diode Configuration	1 Pair Common Cathode	1 Pair Common Cathode	1 Pair Common Cathode	1 Pair Common Cathode
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)
Reverse Recovery Time (trr)	55 ns	40 ns	55 ns	26 ns

STTH16L06CT Datasheet PDF

Download STTH16L06CT pdf datasheets and STMicroelectronics documentation for STTH16L06CT - STMicroelectronics.

Datasheets

STTH16L06C.pdf

PCN Design/Specification

Mult Dev Adv Material Notice 8/Apr/2019.pdf

PCN Assembly/Origin

Assembly Location Expansion 05/Mar/2014.pdf

Customers Also Interested in

Recommended Products

STTH1R02A
STMicroelectronics
DIODE GEN PURP 200V 1.5A SMA

STTH16BC065CT
STMicroelectronics
DIODE ARRAY GP 650V 16A TO220AB

STTH16L06CG
STMicroelectronics
DIODE ARRAY GP 600V 10A D2PAK

STTH1L06A
STMicroelectronics
DIODE GEN PURP 600V 1A SMA

STTH1L06
STMicroelectronics
DIODE GEN PURP 600V 1A DO41

STTH1L06U
STMicroelectronics
DIODE GEN PURP 600V 1A SMB

STTH1602CG-TR
STMicroelectronics
DIODE ARRAY GP 200V 10A D2PAK

STTH16R04CG
STMicroelectronics
DIODE ARRAY GP 400V 8A D2PAK

STTH16L06CG-TR
STMicroelectronics
DIODE ARRAY GP 600V 10A D2PAK

STTH1602CGY-TR
STMicroelectronics
DIODES AND RECTIFIERS

STTH1620CT
STMicroelectronics

STTH1602CFP
STMicroelectronics
DIODE ARRAY GP 200V 10A TO220FP

STTH16L06FP
STMicroelectronics

STTH16R04CFP
STMicroelectronics
DIODE ARRAY GP 400V 8A TO220FP

STTH16R04CT
STMicroelectronics
DIODE ARRAY GP 400V 8A TO220AB

STTH16L06CFP
STMicroelectronics
DIODE ARRAY GP 600V 8A TO220FP

STTH16R04CG-TR
STMicroelectronics
DIODE ARRAY GP 400V 8A D2PAK

STTH1602CT
STMicroelectronics
DIODE ARRAY GP 200V 10A TO220AB

📗 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:
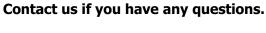Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.

EAST WEST BANK — MasterCard — VISA — WESTERN UNION — 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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Certifications & Memberships
ISO ISO 13485:2016 MEDICAL DEVICES QUALITY MANAGEMENT
ISO 9001:2015 CERTIFIED COMPANY
ISO 14001:2015 CERTIFIED COMPANY
ISO 28000:2007 Supply Chain Security Management
IPC Member
SMTA Surface Mount Technology Association

View More

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