



Image may be representation.
See specifications for product details.



STTH10002TV1

Manufacturer Part Number	STTH10002TV1
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STTH10002TV1
ECAD Model	3D Model
Parts Description	DIODE MODULE 200V 50A ISOTOP
Package	ISOTOP
Data sheet	STTH10002.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STTH10002TV1 - STMicroelectronics.New Original in Stock. Download Linear Technology STTH10002TV1 datasheet/specifications on AllelcoElec.com.
Request a quote for STTH10002TV1, please send us email: info@allelco.com

Specifications

STTH10002TV1 Tech Specifications
STTH10002TV1 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package / Case	ISOTOP
Voltage - Forward (Vf) (Max) @ If	1 V @ 50 A	Package	Tube
Voltage - DC Reverse (Vr) (Max)	200 V	Operating Temperature - Junction	150°C (Max)
Technology	Standard	Mounting Type	Chassis Mount
Supplier Device Package	ISOTOP®	Diode Configuration	2 Independent
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Reverse Leakage @ Vr	50 µA @ 200 V
Series	-	Current - Average Rectified (Io) (per Diode)	50A
Reverse Recovery Time (trr)	65 ns	Base Product Number	STTH10002

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STTH10002TV1

Product Attribute				
Part Number	STTH10002TV1	STTH1002CR	STTH1002CFP	STTH1002CGY-TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Supplier Device Package	ISOTOP®	I2PAK	TO-220FP	D ² PAK
Operating Temperature - Junction	150°C (Max)	175°C (Max)	175°C (Max)	-40°C ~ 175°C
Package	Tube	Tube	Tube	Tape & Reel (TR)
Mounting Type	Chassis Mount	Through Hole	Through Hole	Surface Mount
Voltage - DC Reverse (Vr) (Max)	200 V	200 V	200 V	200 V
Series	-	-	-	Automotive, AEC-Q101
Reverse Recovery Time (trr)	65 ns	25 ns	25 ns	25 ns
Package / Case	ISOTOP	TO-262-3 Long Leads, I ² Pak, TO-262AA	TO-220-3 Full Pack	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Current - Reverse Leakage @ Vr	50 µA @ 200 V	5 µA @ 200 V	5 µA @ 200 V	5 µA @ 200 V
Voltage - Forward (Vf) (Max) @ If	1 V @ 50 A	1.1 V @ 5 A	1.1 V @ 5 A	1.1 V @ 5 A
Technology	Standard	Standard	Standard	Standard
Diode Configuration	2 Independent	1 Pair Common Cathode	1 Pair Common Cathode	1 Pair Common Cathode
Current - Average Rectified (Io) (per Diode)	50A	8A	8A	8A
Base Product Number	STTH10002	STTH1002	STTH1002	STTH1002

STTH10002TV1 Datasheet PDF

Download STTH10002TV1 pdf datasheets and STMicroelectronics documentation for STTH10002TV1 - STMicroelectronics.

Datasheets

[STTH10002.pdf](#)

PCN Design/Specification

[Mult Dev Adv Material Notice 8/Apr/2019.pdf](#)

PCN Assembly/Origin

[Mold compound 20/May/2019.pdf](#)

Customers Also Interested in

Recommended Products



STTH1002CR
STMicroelectronics
DIODE ARRAY GP 200V 8A I2PAK



STTH1002CFP
STMicroelectronics
DIODE ARRAY GP 200V 8A TO220FP



STTH1002CGY-TR
STMicroelectronics
DIODE ARRAY GP 200V 8A D2PAK



STTB506B-TR
STMicroelectronics



STTH1002CBY-TR
STMicroelectronics
DIODE ARRAY GP 200V 8A DPAK



STTH06R04CT
STMicroelectronics



STTB3006P
STMicroelectronics



STTH1002CR-H
STM



STTH10002TV2
STMicroelectronics
DIODE MODULE 200V 50A ISOTOP



STTH05R06FP
STMicroelectronics



STTH1002CT
STMicroelectronics
DIODE ARRAY GP 200V 8A TO220AB



STTH1002CG-TR
STMicroelectronics
DIODE ARRAY GP 200V 8A D2PAK



STTH1002CB
STMicroelectronics
DIODE ARRAY GP 200V 8A DPAK



STTH1002CB-TR
STMicroelectronics
DIODE ARRAY GP 200V 8A DPAK



STTB5006TV1
STMicroelectronics
IGBT Module

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

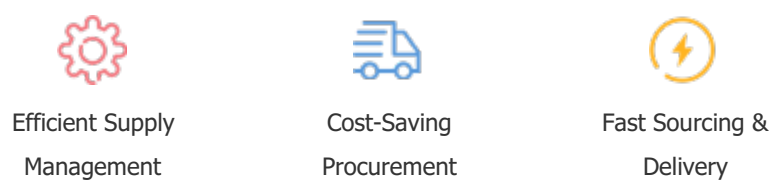
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

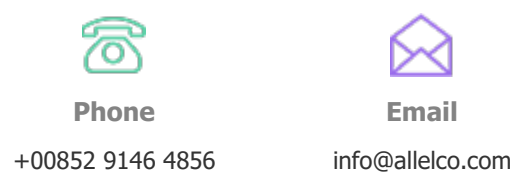
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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