



STTH2R02AFY

Manufacturer Part Number	STTH2R02AFY
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STTH2R02AFY
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	DIODE GP 200V 2A SOD128FLAT
Package	SOD-128
Data sheet	STTH2R02AFY.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STTH2R02AFY - STMicroelectronics.New Original in Stock. Download Linear Technology STTH2R02AFY datasheet/specifications on AllelcoElec.com.
Request a quote for STTH2R02AFY, please send us email: info@allelco.com

Specifications

STTH2R02AFY Tech Specifications
STTH2R02AFY - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package / Case	SOD-128
Voltage - Forward (Vf) (Max) @ If	1.02 V @ 2 A	Package	Tape & Reel (TR)
Voltage - DC Reverse (Vr) (Max)	200 V	Operating Temperature - Junction	-40°C ~ 175°C
Technology	Standard	Mounting Type	Surface Mount
Supplier Device Package	SOD128Flat	Current - Reverse Leakage @ Vr	800 nA @ 200 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io)	2A
Series	Automotive, AEC-Q101, ECOPACK@2	Capacitance @ Vr, F	-
Reverse Recovery Time (trr)	20 ns	Base Product Number	STTH2

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STTH2R02AFY

Product Attribute				
Part Number	STTH2R02AFY	STTH2L06A	STTH2R02A	STTH212U
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Current - Reverse Leakage @ Vr	800 nA @ 200 V	2 µA @ 600 V	3 µA @ 200 V	10 µA @ 1200 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Technology	Standard	Standard	Standard	Standard
Voltage - DC Reverse (Vr) (Max)	200 V	600 V	200 V	1200 V
Reverse Recovery Time (trr)	20 ns	85 ns	30 ns	75 ns
Supplier Device Package	SOD128Flat	SMA	SMA	SMB
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Base Product Number	STTH2	STTH2	STTH2	STTH212
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Capacitance @ Vr, F	-	-	-	-
Voltage - Forward (Vf) (Max) @ If	1.02 V @ 2 A	1.3 V @ 2 A	1 V @ 2 A	1.75 V @ 2 A
Operating Temperature - Junction	-40°C ~ 175°C	175°C (Max)	175°C (Max)	175°C (Max)
Package / Case	SOD-128	DO-214AC, SMA	DO-214AC, SMA	DO-214AA, SMB
Current - Average Rectified (Io)	2A	2A	2A	2A
Series	Automotive, AEC-Q101, ECOPACK@2	-	-	-

STTH2R02AFY Datasheet PDF

Download STTH2R02AFY pdf datasheets and STMicroelectronics documentation for STTH2R02AFY - STMicroelectronics.

Datasheets

[STTH2R02AFY.pdf](#)

PCN Assembly/Origin

[Mult Devices Testing 10/May/2018.pdf](#)

Customers Also Interested in

Recommended Products

STTH2L06A
STMicroelectronics
DIODE GEN PURP 600V 2A SMA

STTH2R02A
STMicroelectronics
DIODE GEN PURP 200V 2A SMA

STTH212U
STMicroelectronics
DIODE GEN PURP 1.2KV 2A SMB

STTH2R02QRL
STMicroelectronics
DIODE GEN PURP 200V 2A DO15

STTH212S
STMicroelectronics
DIODE GEN PURP 1.2KV 2A SMC

STTH2R02
STMicroelectronics



STTH2R06

STMicroelectronics
DIODE GEN PURP 600V 2A DO41

STTH2L06U

STMicroelectronics
DIODE GEN PURP 600V 2A SMB

STTH212S-H/N

STMicroelectronics

STTH2L06U-TR

STMicroelectronics

STTH2R06RL

STMicroelectronics
DIODE GEN PURP 600V 2A DO41

STTH2R06S

STMicroelectronics
DIODE GEN PURP 600V 2A SMC



STTH2R02U

STMicroelectronics
DIODE GEN PURP 200V 2A SMB



STTH2R02UY

STMicroelectronics
DIODE GEN PURP 200V 2A SMB



STTH2R06U

STMicroelectronics
DIODE GEN PURP 600V 2A SMB



STTH2L06

STMicroelectronics
DIODE GEN PURP 600V 2A DO41



STTH2R06A

STMicroelectronics
DIODE GEN PURP 600V 2A SMA



STTH25M06FP

STMicroelectronics
DIODE GP 600V 25A TO220FPAC

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

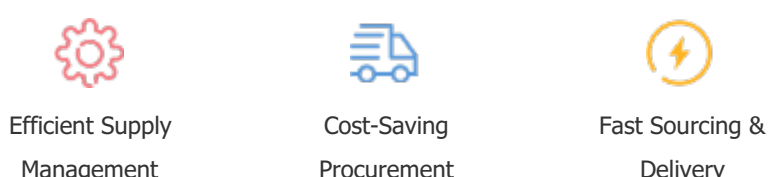
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

Payment Support

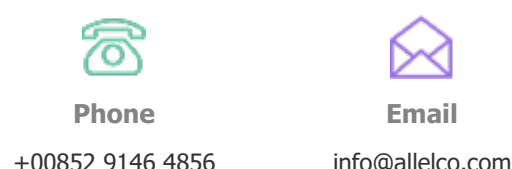
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



View More



Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@Allelco.com

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