



Image may be representation.  
See specifications for product details.



## STTH112UFY

Manufacturer Part Number	<a href="#">STTH112UFY</a>
Manufacturer	<a href="#">STMicroelectronics</a>
Allelco Part Number	32D-STTH112UFY
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	DIODE GEN PURP 1.2KV 1A SMBFLAT
Package	DO-221AA, SMB Flat Leads
Data sheet	<a href="#">STTH112UFY.pdf</a>
RoHs Status	ROHS3 Compliant

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STTH112UFY - STMicroelectronics.New Original in Stock. Download Linear Technology STTH112UFY datasheet/specifications on AllelcoElec.com.  
Request a quote for STTH112UFY, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STTH112UFY Tech Specifications  
STTH112UFY - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package / Case	DO-221AA, SMB Flat Leads
Voltage - Forward (Vf) (Max) @ If	1.9 V @ 1 A	Package	Tape & Reel (TR)
Voltage - DC Reverse (Vr) (Max)	1200 V	Operating Temperature - Junction	-40°C ~ 175°C
Technology	Standard	Mounting Type	Surface Mount
Supplier Device Package	SMBflat	Current - Reverse Leakage @ Vr	5 µA @ 1200 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io)	1A
Series	Automotive, AEC-Q101, ECOPACK®2	Capacitance @ Vr, F	-
Reverse Recovery Time (trr)	75 ns	Base Product Number	STTH112

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STTH112UFY

Product Attribute				
Part Number	STTH112UFY	STTH110	STTH112A	STTH112
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Current - Reverse Leakage @ Vr	5 µA @ 1200 V	10 µA @ 1000 V	5 µA @ 1200 V	5 µA @ 1200 V
Capacitance @ Vr, F	-	-	-	-
Mounting Type	Surface Mount	Through Hole	Surface Mount	Through Hole
Technology	Standard	Standard	Standard	Standard
Package	Tape & Reel (TR)	Cut Tape (CT)	Tape & Reel (TR)	Tape & Box (TB)
Reverse Recovery Time (trr)	75 ns	75 ns	75 ns	75 ns
Voltage - DC Reverse (Vr) (Max)	1200 V	1000 V	1200 V	1200 V
Voltage - Forward (Vf) (Max) @ If	1.9 V @ 1 A	1.7 V @ 1 A	1.9 V @ 1 A	1.9 V @ 1 A
Base Product Number	STTH112	STTH110	STTH112	STTH112
Supplier Device Package	SMBflat	DO-41	SMA	DO-41
Series	Automotive, AEC-Q101, ECOPACK®2	-	-	-
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Operating Temperature - Junction	-40°C ~ 175°C	175°C (Max)	175°C (Max)	175°C (Max)
Package / Case	DO-221AA, SMB Flat Leads	DO-204AL, DO-41, Axial	DO-214AC, SMA	DO-204AL, DO-41, Axial
Current - Average Rectified (Io)	1A	1A	1A	1A

### STTH112UFY Datasheet PDF

Download STTH112UFY pdf datasheets and STMicroelectronics documentation for STTH112UFY - STMicroelectronics.

#### Datasheets

[STTH112UFY.pdf](#)

#### PCN Assembly/Origin

[New Assembly Line 23/Dec/2021.pdf](#)

### Customers Also Interested in

#### Recommended Products

<b>STTH12012TV2</b> STMicroelectronics DIODE MODULE 1.2KV 60A ISOTOP	<b>STTH110</b> STMicroelectronics DIODE GEN PURP 1KV 1A DO41	<b>STTH112A</b> STMicroelectronics DIODE GEN PURP 1.2KV 1A SMA	<b>STTH112</b> STMicroelectronics DIODE GEN PURP 1.2KV 1A DO41	<b>STTH1202</b> STMicroelectronics	<b>STTH10LCD06SB-TR</b> STMicroelectronics DIODE GEN PURP 600V 10A DPAK

**STTH12003TV1**STMicroelectronics  
DIODE MODULE 300V 60A ISOTOP**STTH12004TV1**STMicroelectronics  
DIODE MODULE 400V 60A ISOTOP**STTH10R04D**STMicroelectronics  
DIODE GEN PURP 400V 10A TO220AC**STTH112RL**STMicroelectronics  
DIODE GEN PURP 1.2KV 1A DO41**STTH10P04FP**

STMicroelectronics

**STTH12012TV1**STMicroelectronics  
DIODE MODULE 1.2KV 60A ISOTOP**STTH12002TV1**STMicroelectronics  
DIODE MODULE 200V 60A ISOTOP**STTH12010TV1**STMicroelectronics  
DIODE MODULE 1KV 60A ISOTOP**STTH110A**STMicroelectronics  
DIODE GEN PURP 1KV 1A SMA**STTH1202D**STMicroelectronics  
DIODE GEN PURP 200V 12A TO220AC**STTH112U**STMicroelectronics  
DIODE GEN PURP 1.2KV 1A SMB**STTH10R04FP**STMicroelectronics  
DIODE GP 400V 10A 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 -



Efficient Supply Management



Cost-Saving Procurement



Fast Sourcing & Delivery

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@allelco.com

## Certifications & Memberships



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### 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