



Image may be representation.
See specifications for product details.



STPS1H100A

Manufacturer Part Number	STPS1H100A
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STPS1H100A
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	DIODE SCHOTTKY 100V 1A SMA
Package	DO-214AC, SMA
Data sheet	STPS1H100.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STPS1H100A - STMicroelectronics.New Original in Stock. Download Linear Technology STPS1H100A datasheet/specifications on AllelcoElec.com.
Request a quote for STPS1H100A, please send us email: info@allelco.com

Specifications

STPS1H100A Tech Specifications
STPS1H100A - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package	Tape & Reel (TR)
Voltage - Forward (Vf) (Max) @ If	770 mV @ 1 A	Operating Temperature - Junction	175°C (Max)
Voltage - DC Reverse (Vr) (Max)	100 V	Mounting Type	Surface Mount
Technology	Schottky	Current - Reverse Leakage @ Vr	4 µA @ 100 V
Supplier Device Package	SMA (DO-214AC)	Current - Average Rectified (Io)	1A
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Capacitance @ Vr, F	-
Series	-	Base Product Number	STPS1
Package / Case	DO-214AC, SMA		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STPS1H100A

Product Attribute				
Part Number	STPS1H100A	STPS1H100U	STPS1L20M	STPS160U
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Current - Average Rectified (Io)	1A	1A	1A	1A
Current - Reverse Leakage @ Vr	4 µA @ 100 V	4 µA @ 100 V	75 µA @ 20 V	4 µA @ 60 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Voltage - Forward (Vf) (Max) @ If	770 mV @ 1 A	770 mV @ 1 A	430 mV @ 1 A	670 mV @ 1 A
Capacitance @ Vr, F	-	-	-	-
Technology	Schottky	Schottky	Schottky	Schottky
Voltage - DC Reverse (Vr) (Max)	100 V	100 V	20 V	60 V
Series	-	-	-	-
Package / Case	DO-214AC, SMA	DO-214AA, SMB	DO-216AA	DO-214AA, SMB
Base Product Number	STPS1	STPS1	STPS1	STPS160
Supplier Device Package	SMA (DO-214AC)	SMB	STmite	SMB
Operating Temperature - Junction	175°C (Max)	175°C (Max)	150°C (Max)	150°C (Max)
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)

STPS1H100A Datasheet PDF

Download STPS1H100A pdf datasheets and STMicroelectronics documentation for STPS1H100A - STMicroelectronics.

Datasheets

[STPS1H100.pdf](#)

PCN Packaging

[Box Label Chg 28/Jul/2016.pdf](#)













PCN Assembly/Origin

[Assembly 17/Sep/2020.pdf](#)

Customers Also Interested in

Recommended Products



STPS1H100U STMicroelectronics DIODE SCHOTTKY 100V 1A SMB	STPS16L40CT STMicroelectronics DIODE ARRAY SCHOTTKY 40V TO220AB	STPS1L20M STMicroelectronics DIODE SCHOTTKY 20V 1A STMITE	STPS16L45CT STMicroelectronics	STPS1H100A-TR STMicroelectronics	STPS160U STMicroelectronics DIODE SCHOTTKY 60V 1A SMB
					
STPS16H100CG STMicroelectronics DIODE ARRAY SCHOTTKY 100V D2PAK	STPS1H100MF STMicroelectronics DIODE SCHOTT 100V 1A STMITE FLAT	STPS1H100UY STMicroelectronics DIODE SCHOTTKY 100V 1A SMB	STPS160H100TV STMicroelectronics DIODE MODULE 100V 80A ISOTOP	STPS1L30A STMicroelectronics DIODE SCHOTTKY 30V 1A SMA	STPS1H100AY STMicroelectronics DIODE SCHOTTKY 100V 1A SMA
					
STPS16150CT STMicroelectronics DIODE ARRAY SCHOTTKY 150V TO220	STPS16H100CT STMicroelectronics	STPS16H100CG-TR STMicroelectronics DIODE ARRAY SCHOTTKY 100V D2PAK	STPS1H100AF STMicroelectronics DIODE SCHOTTKY 100V 1A SMAFLAT	STPS1L20MF STMicroelectronics DIODE SCHOTT 20V 1A STMITE FLAT	STPS16170CB-TR STMicroelectronics DIODE ARRAY SCHOTTKY 170V DPAK

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



[View More](#)