





# STPS1170AF

Manufacturer Part Number	<b>STPS1170AF</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STPS1170AF
ECAD Model	 PCB Symbol, Footprint & 3D Model
Parts Description	DIODE SCHOTTKY 170V 1A SMAFLAT
Package	DO-214AC, SMA Flat Leads
Data sheet	<b>STPS1170.pdf</b>
RoHs Status	 ROHS3 Compliant



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Request a quote for STPS1170AF, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications





STPS1170AF Tech Specifications

STPS1170AF - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package	Tape & Reel (TR)
Voltage - Forward (Vf) (Max) @ If	890 mV @ 2 A	Operating Temperature - Junction	-65°C ~ 150°C
Voltage - DC Reverse (Vr) (Max)	170 V	Mounting Type	Surface Mount
Technology	Schottky	Current - Reverse Leakage @ Vr	1.5 µA @ 170 V
Supplier Device Package	SMAflat	Current - Average Rectified (Io)	1A
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Capacitance @ Vr, F	-
Series	ECOPACK®	Base Product Number	STPS1170
Package / Case	DO-214AC, SMA Flat Leads		

## Parts with Similar Specifications

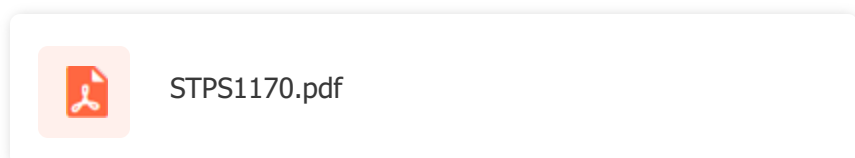
The three parts on the right have similar specifications to STMicroelectronics STPS1170AF

Product Attribute				
Part Number	STPS1170AF	STPS1150AY	STPS1150	STPS1150A
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Base Product Number	STPS1170	STPS1150	STPS1150	STPS1150
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount
Voltage - DC Reverse (Vr) (Max)	170 V	150 V	150 V	150 V
Voltage - Forward (Vf) (Max) @ If	890 mV @ 2 A	820 mV @ 1 A	820 mV @ 1 A	820 mV @ 1 A
Capacitance @ Vr, F	-	-	-	-
Current - Reverse Leakage @ Vr	1.5 µA @ 170 V	1 µA @ 150 V	1 µA @ 150 V	1 µA @ 150 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Cut Tape (CT)	Tape & Reel (TR)
Series	ECOPACK®	Q Automotive	-	-
Package / Case	DO-214AC, SMA Flat Leads	DO-214AC, SMA	DO-204AL, DO-41, Axial	DO-214AC, SMA
Supplier Device Package	SMAflat	SMA	DO-41	SMA
Current - Average Rectified (Io)	1A	1A	1A	1A
Operating Temperature - Junction	-65°C ~ 150°C	175°C (Max)	175°C (Max)	175°C (Max)
Technology	Schottky	Schottky	Schottky	Schottky

## STPS1170AF Datasheet PDF

Download STPS1170AF pdf datasheets and STMicroelectronics documentation for STPS1170AF - STMicroelectronics.

### Datasheets



## Customers Also Interested in

### Recommended Products



**STPS120100H**  
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STMicroelectronics



**STPS120E**  
STMicroelectronics



**STPS1150AY**  
STMicroelectronics  
DIODE SCHOTTKY 150V 1A SMA



**STPS10LCD60C**  
STMicroelectronics



**STPS10LCD200C**  
STMicroelectronics

**STPS12035TV**  
STMicroelectronics  
IGBT Module



**STPS120L15**  
STMicroelectronics  
IGBT Module

**STPS1150**  
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DIODE SCHOTTKY 150V 1A DO41



**STPS10LCD150CT**  
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**STPS120A**  
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**STPS10LCD200CFP**  
STMicroelectronics

**STPS1100A**  
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**STPS12045V**  
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**STPS1150A**  
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DIODE SCHOTTKY 150V 1A SMA



**STPS12045TV**  
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DIODE MODULE 45V 60A ISOTOP

## 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.



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- Cost-Saving Procurement
- Fast Sourcing & Delivery

Contact us if you have any questions.

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- Email  
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