



Image may be representation.
See specifications for product details.



STPS80170CW

Manufacturer Part Number	STPS80170CW
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STPS80170CW
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	DIODE ARRAY SCHOTTKY 170V TO247
Package	TO-247-3
Data sheet	STPS80170C.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STPS80170CW - STMicroelectronics.New Original in Stock. Download Linear Technology STPS80170CW datasheet/specifications on AllelcoElec.com.
Request a quote for STPS80170CW, please send us email: info@allelco.com

Specifications

STPS80170CW Tech Specifications
STPS80170CW - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package	Tube
Voltage - Forward (Vf) (Max) @ If	840 mV @ 40 A	Operating Temperature - Junction	175°C (Max)
Voltage - DC Reverse (Vr) (Max)	170 V	Mounting Type	Through Hole
Technology	Schottky	Diode Configuration	1 Pair Common Cathode
Supplier Device Package	TO-247-3	Current - Reverse Leakage @ Vr	80 µA @ 170 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io) (per Diode)	40A
Series	-	Base Product Number	STPS80170
Package / Case	TO-247-3		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STPS80170CW

Product Attribute				
Part Number	STPS80170CW	STPS80H100TV	STPS80L15CY	STPS80L60CY
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Diode Configuration	1 Pair Common Cathode	2 Independent	1 Pair Common Cathode	1 Pair Common Cathode
Supplier Device Package	TO-247-3	ISOTOP®	MAX247™	MAX247™
Package	Tube	Tube	Tube	Tube
Mounting Type	Through Hole	Chassis Mount	Through Hole	Through Hole
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Package / Case	TO-247-3	ISOTOP	TO-247-3	TO-247-3
Series	-	-	-	Q Automotive
Current - Reverse Leakage @ Vr	80 µA @ 170 V	20 µA @ 100 V	16 mA @ 15 V	1.8 mA @ 60 V
Technology	Schottky	Schottky	Schottky	Schottky
Current - Average Rectified (Io) (per Diode)	40A	40A	40A	40A
Operating Temperature - Junction	175°C (Max)	150°C (Max)	125°C (Max)	150°C (Max)
Voltage - DC Reverse (Vr) (Max)	170 V	100 V	15 V	60 V
Voltage - Forward (Vf) (Max) @ If	840 mV @ 40 A	780 mV @ 40 A	420 mV @ 40 A	570 mV @ 40 A
Base Product Number	STPS80170	STPS80	STPS80	STPS80

STPS80170CW Datasheet PDF

Download STPS80170CW pdf datasheets and STMicroelectronics documentation for STPS80170CW - STMicroelectronics.

Datasheets

[STPS80170C.pdf](#)

PCN Design/Specification

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

[Mult Dev Mold Compound Chg 6/May/2019.pdf](#)













PCN Assembly/Origin

[IPG/14/8475 16/May/2014.pdf](#)

Customers Also Interested in

Recommended Products



STPS80H100TV STMicroelectronics DIODE MODULE 100V 40A ISOTOP	STPS6M100DEE-TR STMicroelectronics DIODE SCHOTTKY 100V 6A POWERFLAT	STPS745G STMicroelectronics DIODE SCHOTTKY 45V 7.5A D2PAK	STPS80L15CY STMicroelectronics DIODE ARRAY SCHOTTKY 15V MAX247	STPS80L60CY STMicroelectronics DIODE ARRAY SCHOTTKY 60V MAX247	STPS745 STMicroelectronics
					
STPS80150CW STMicroelectronics DIODE ARRAY SCHOTTKY 150V TO247	STPS660CBTR STMicroelectronics	STPS80H100CY STMicroelectronics DIODE ARRAY SCHOTTKY 100V MAX247	STPS745D STMicroelectronics DIODE SCHOTTKY 45V 7.5A TO220AC	STPS80L15TV STMicroelectronics IGBT Module	STPS745FP STMicroelectronics DIODE SCHOTT 45V 7.5A TO220FPAC
					
STPS8H100D STMicroelectronics DIODE SCHOTTKY 100V 8A TO220AC	STPS80100TV STMicroelectronics IGBT Module	STPS8170DEE-TR STMicroelectronics DIODE SCHOTTKY 170V 8A POWERFLAT	STPS6M100DEE STMicroelectronics	STPS8H100DEE-TR STMicroelectronics DIODE SCHOTTKY 100V 8A POWERFLAT	STPS745G-TR STMicroelectronics DIODE SCHOTTKY 45V 7.5A D2PAK

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

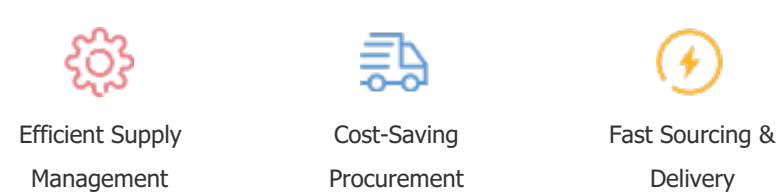
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

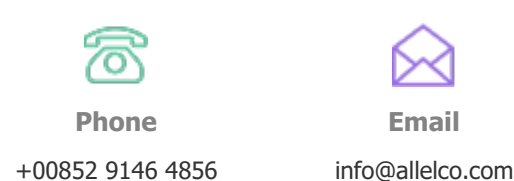
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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