



STPSC1206D

Manufacturer Part Number	STPSC1206D
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STPSC1206D
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	DIODE SIL CARB 600V 12A TO220AC
Package	TO-220-2
Data sheet	STPSC1206D.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STPSC1206D - STMicroelectronics. New Original in Stock. Download Linear Technology STPSC1206D datasheet/specifications on AllelcoElec.com.
Request a quote for STPSC1206D, please send us email: info@allelco.com

Specifications

STPSC1206D Tech Specifications
STPSC1206D - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package / Case	TO-220-2
Voltage - Forward (Vf) (Max) @ If	1.7 V @ 12 A	Package	Tube
Voltage - DC Reverse (Vr) (Max)	600 V	Operating Temperature - Junction	-40°C ~ 175°C
Technology	SiC (Silicon Carbide) Schottky	Mounting Type	Through Hole
Supplier Device Package	TO-220AC	Current - Reverse Leakage @ Vr	150 µA @ 600 V
Speed	No Recovery Time > 500mA (Io)	Current - Average Rectified (Io)	12A
Series	-	Capacitance @ Vr, F	750pF @ 0V, 1MHz
Reverse Recovery Time (trr)	0 ns	Base Product Number	STPSC1206

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STPSC1206D

Product Attribute				
Part Number	STPSC1206D	STPSC12065G-TR	STPSC12065G2Y-TR	STPSC20065DI
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Base Product Number	STPSC1206	STPSC12065	STPSC12065	STPSC20065
Package	Tube	Tape & Reel (TR)	Tape & Reel (TR)	Tube
Reverse Recovery Time (trr)	0 ns	0 ns	0 ns	0 ns
Voltage - Forward (Vf) (Max) @ If	1.7 V @ 12 A	1.45 V @ 12 A	1.45 V @ 12 A	1.45 V @ 20 A
Current - Average Rectified (Io)	12A	12A	12A	20A
Supplier Device Package	TO-220AC	D ² PAK	D2PAK HV	TO-220AC ins
Package / Case	TO-220-2	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-220-2 Insulated, TO-220AC
Capacitance @ Vr, F	750pF @ 0V, 1MHz	750pF @ 0V, 1MHz	750pF @ 0V, 1MHz	1250pF @ 0V, 1MHz
Voltage - DC Reverse (Vr) (Max)	600 V	650 V	650 V	650 V
Speed	No Recovery Time > 500mA (Io)	No Recovery Time > 500mA (Io)	No Recovery Time > 500mA (Io)	No Recovery Time > 500mA (Io)
Mounting Type	Through Hole	Surface Mount	Surface Mount	Through Hole
Technology	SiC (Silicon Carbide) Schottky	SiC (Silicon Carbide) Schottky	SiC (Silicon Carbide) Schottky	SiC (Silicon Carbide) Schottky
Current - Reverse Leakage @ Vr	150 µA @ 600 V	150 µA @ 650 V	150 µA @ 650 V	300 µA @ 650 V
Operating Temperature - Junction	-40°C ~ 175°C	-40°C ~ 175°C	-40°C ~ 175°C	-40°C ~ 175°C
Series	-	ECOPACK®2	Automotive, AEC-Q101, ECOPACK®2	ECOPACK®2

STPSC1206D Datasheet PDF

Download STPSC1206D pdf datasheets and STMicroelectronics documentation for STPSC1206D - STMicroelectronics.

PCN Design/Specification

Mult Dev Adv Material Notice 8/Apr/2019.pdf

PCN Assembly/Origin

Mult Dev Wafer Conversion 5/Dec/2017.pdf

Customers Also Interested in

Recommended Products

STPSC12065G-TR	STPSC12065G2Y-TR	STPSC20065DI	STPSC20065CWL	STPSC20065D	STPSC10H12CWL
STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
DIODE SIL CARBIDE 650V 12A D2PAK	DIODE SIL CARB 650V 12A D2PAK HV	DIODE SiC 650V 20A TO220AC INS	DIODE SIL CARB 650V 10A TO247	DIODE SIL CARB 650V 20A TO220AC	DIODE ARRAY SCHOTTKY 1200V TO247



STPSC12C065DY

STMicroelectronics
DIODE SIL CARB 650V 12A TO220AC

STPSC10H065GY-TR

STMicroelectronics
DIODE SIL CARBIDE 650V 10A D2PAK

STPSC10H12B2-TR

STMicroelectronics
DIODE SIL CARB 1.2KV 10A DPAK HV

STPSC12H065CT

STMicroelectronics
DIODE ARRAY SCHOTTKY 650V TO220

STPSC12H065D

STMicroelectronics
DIODE SIL CARB 650V 12A TO220AC

STPSC12065GY-TR

STMicroelectronics
DIODE SIL CARBIDE 650V 12A D2PAK



STPSC10H065G-TR

STMicroelectronics
DIODE SIL CARBIDE 650V 10A D2PAK

STPSC10H12D

STMicroelectronics
DIODE SIL CARB 1.2KV 10A TO220AC

STPSC15H12D

STMicroelectronics
DIODE SIL CARB 1.2KV 15A TO220AC

STPSC12065DY

STMicroelectronics
DIODE SIL CARB 650V 12A TO220AC

STPSC10H12G-TR

STMicroelectronics
DIODE SIL CARB 1.2KV 10A D2PAK

STPSC16H065CT

STMicroelectronics
DIODE ARRAY SCHOTTKY 650V TO220

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.



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Email

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Certifications & Memberships



View More



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