



Image may be representation.
See specifications for product details.



STPSC20H12CWL

| | |
|--------------------------|---|
| Manufacturer Part Number | STPSC20H12CWL |
| Manufacturer | STMicroelectronics |
| Allelco Part Number | 32D-STPSC20H12CWL |
| ECAD Model | PCB Symbol, Footprint & 3D Model |
| Parts Description | DIODE ARRAY SCHOTTKY 1200V TO247 |
| Package | TO-247-3 |
| Data sheet | STPSC20H12C Datasheet.pdf |
| RoHs Status | ROHS3 Compliant |

[Get a Quote](#)

STPSC20H12CWL - STMicroelectronics. New Original in Stock. Download Linear Technology STPSC20H12CWL datasheet/specifications on AllelcoElec.com. Request a quote for STPSC20H12CWL, please send us email: info@allelco.com

Specifications

STPSC20H12CWL Tech Specifications
STPSC20H12CWL - STMicroelectronics technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|-----------------------------------|--------------------------------|--|-----------------------|
| Manufacturer | STMicroelectronics | Package / Case | TO-247-3 |
| Voltage - Forward (Vf) (Max) @ If | 1.5 V @ 10 A | Package | Tube |
| Voltage - DC Reverse (Vr) (Max) | 1200 V | Operating Temperature - Junction | -40°C ~ 175°C |
| Technology | SiC (Silicon Carbide) Schottky | Mounting Type | Through Hole |
| Supplier Device Package | TO-247-3 | Diode Configuration | 1 Pair Common Cathode |
| Speed | No Recovery Time > 500mA (Io) | Current - Reverse Leakage @ Vr | 60 µA @ 1200 V |
| Series | ECOPACK® | Current - Average Rectified (Io) (per Diode) | 25A |
| Reverse Recovery Time (trr) | 0 ns | Base Product Number | STPSC20 |

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STPSC20H12CWL

| Product Attribute | | | | |
|--|--------------------------------|--------------------------------------|---------------------------------|--------------------------------------|
| Part Number | STPSC20H12CWL | STPSC40065CW | STPSC20H12CWY | STPSC2006CW |
| Manufacturer | STMicroelectronics | STMicroelectronics | STMicroelectronics | STMicroelectronics |
| Operating Temperature - Junction | -40°C ~ 175°C | -40°C ~ 175°C | -40°C ~ 175°C | -40°C ~ 175°C |
| Reverse Recovery Time (trr) | 0 ns | - | 0 ns | - |
| Mounting Type | Through Hole | Through Hole | Through Hole | Through Hole |
| Package | Tube | Tube | Tube | Tube |
| Package / Case | TO-247-3 | TO-247-3 | TO-247-3 | TO-247-3 |
| Voltage - Forward (Vf) (Max) @ If | 1.5 V @ 10 A | 1.7 V @ 20 A | 1.5 V @ 10 A | 1.7 V @ 10 A |
| Speed | No Recovery Time > 500mA (Io) | Fast Recovery =< 500ns, > 200mA (Io) | No Recovery Time > 500mA (Io) | Fast Recovery =< 500ns, > 200mA (Io) |
| Diode Configuration | 1 Pair Common Cathode | 1 Pair Common Cathode | 1 Pair Common Cathode | 1 Pair Common Cathode |
| Technology | SiC (Silicon Carbide) Schottky | SiC (Silicon Carbide) Schottky | SiC (Silicon Carbide) Schottky | SiC (Silicon Carbide) Schottky |
| Supplier Device Package | TO-247-3 | TO-247-3 | TO-247-3 | TO-247 |
| Base Product Number | STPSC20 | STPSC40065 | STPSC20 | STPSC2006 |
| Current - Average Rectified (Io) (per Diode) | 25A | 20A | 10A | 10A |
| Series | ECOPACK® | - | Automotive, AEC-Q101, ECOPACK®2 | - |
| Current - Reverse Leakage @ Vr | 60 µA @ 1200 V | 300 µA @ 600 V | 60 µA @ 1200 V | 150 µA @ 600 V |
| Voltage - DC Reverse (Vr) (Max) | 1200 V | 650 V | 1200 V | 600 V |

STPSC20H12CWL Datasheet PDF

Download STPSC20H12CWL pdf datasheets and STMicroelectronics documentation for STPSC20H12CWL - STMicroelectronics.

Datasheets

[STPSC20H12C Datasheet.pdf](#)

PCN Design/Specification

[SiC 1200V 06-Apr-2022.pdf](#)

PCN Assembly/Origin

[STPSCxxH12xx 21/Apr/2023.pdf](#)

Customers Also Interested in

Recommended Products



STPSC20065DI
STMicroelectronics
DIODE SIC 650V 20A TO220AC INS



STPSC406B-TR
STMicroelectronics
DIODE SIL CARBIDE 600V 4A DPAK



STPSC40065CW
STMicroelectronics
DIODE SCHOTTKY 650V TO-247

STPSC2H12D
STMicroelectronics
DIODE SIL CARB 1.2KV 2A TO220AC



STPSC20065GY-TR
STMicroelectronics
DIODE SIL CARBIDE 650V 20A D2PAK

STPSC20065W
STMicroelectronics
DIODE SIL CARBIDE 650V 20A DO247



STPSC2H12B-TR1
STMicroelectronics
DIODE SIL CARBIDE 1.2KV 5A DPAK



STPSC20H12CWY
STMicroelectronics
AUTOMOTIVE SIC DIODES



STPSC20H12DY
STMicroelectronics
DIODE SIL CARB 1.2KV 20A TO220AC

STPSC20H12GY-TR
STMicroelectronics
DIODE SIL CARB 1.2KV 20A D2PAK



STPSC20065DY
STMicroelectronics
DIODE SIL CARB 650V 20A TO220AC

STPSC2006CW
STMicroelectronics
DIODE ARRAY SCHOTTKY 600V TO247



STPSC20H065CW
STMicroelectronics
DIODE ARRAY SCHOTTKY 650V TO247



STPSC20H065CT
STMicroelectronics
DIODE SCHOTTKY 650V 10A TO220AB



STPSC20H12D
STMicroelectronics
DIODE SIL CARB 1.2KV 20A TO220AC

STPSC20065CWL
STMicroelectronics
DIODE SIL CARB 650V 10A TO247

STPSC20065D
STMicroelectronics
DIODE SIL CARB 650V 20A TO220AC

STPSC20065WY
STMicroelectronics
DIODE SIL CARBIDE 650V 20A DO247

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](#)