



Image may be representation.
See specifications for product details.



SS10PH45-M3/86A

Manufacturer Part Number	SS10PH45-M3/86A
Manufacturer	Vishay General Semiconductor – Diodes Division
Allelco Part Number	32D-SS10PH45-M3/86A
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	DIODE SCHOTTKY 45V 10A TO277A
Package	TO-277, 3-PowerDFN
Data sheet	SS10PH45.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

SS10PH45-M3/86A - Vishay General Semiconductor - Diodes Division. New Original in Stock. Download Linear Technology SS10PH45-M3/86A datasheet/specifications on AllelcoElec.com.
Request a quote for SS10PH45-M3/86A, please send us email: info@allelco.com

Specifications

SS10PH45-M3/86A Tech Specifications
SS10PH45-M3/86A - Vishay General Semiconductor - Diodes Division technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Vishay General Semiconductor – Diodes Division	Package	Tape & Reel (TR)
Voltage - Forward (Vf) (Max) @ If	720 mV @ 10 A	Operating Temperature - Junction	-55°C ~ 175°C
Voltage - DC Reverse (Vr) (Max)	45 V	Mounting Type	Surface Mount
Technology	Schottky	Current - Reverse Leakage @ Vr	80 µA @ 45 V
Supplier Device Package	TO-277A (SMPC)	Current - Average Rectified (Io)	10A
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Capacitance @ Vr, F	270pF @ 4V, 1MHz
Series	eSMP®	Base Product Number	SS10PH45
Package / Case	TO-277, 3-PowerDFN		

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay General Semiconductor - Diodes Division SS10PH45-M3/86A

Product Attribute				
Part Number	SS10PH45-M3/86A	SS10PH45HM3_A/H	SS10PH10HM3_A/H	SS10PH45HM3/86A
Manufacturer	Vishay General Semiconductor - Diodes Division	Vishay General Semiconductor - Diodes Division	Vishay General Semiconductor - Diodes Division	Vishay General Semiconductor - Diodes Division
Base Product Number	SS10PH45	SS10PH45	SS10PH10	SS10PH45
Current - Reverse Leakage @ Vr	80 µA @ 45 V	80 µA @ 45 V	10 µA @ 100 V	80 µA @ 45 V
Supplier Device Package	TO-277A (SMPC)	TO-277A (SMPC)	TO-277A (SMPC)	TO-277A (SMPC)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Forward (Vf) (Max) @ If	720 mV @ 10 A	720 mV @ 10 A	880 mV @ 10 A	720 mV @ 10 A
Technology	Schottky	Schottky	Schottky	Schottky
Series	eSMP®	Automotive, AEC-Q101	Automotive, AEC-Q101	eSMP®
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Voltage - DC Reverse (Vr) (Max)	45 V	45 V	100 V	45 V
Capacitance @ Vr, F	270pF @ 4V, 1MHz	400pF @ 4V, 1MHz	270pF @ 4V, 1MHz	270pF @ 4V, 1MHz
Current - Average Rectified (Io)	10A	10A	10A	10A
Operating Temperature - Junction	-55°C ~ 175°C	-55°C ~ 175°C	-55°C ~ 175°C	-55°C ~ 175°C
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Package / Case	TO-277, 3-PowerDFN	TO-277, 3-PowerDFN	TO-277, 3-PowerDFN	TO-277, 3-PowerDFN

SS10PH45-M3/86A Datasheet PDF

Download SS10PH45-M3/86A pdf datasheets and Vishay General Semiconductor - Diodes Division documentation for SS10PH45-M3/86A - Vishay General Semiconductor - Diodes Division.

Datasheets

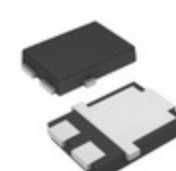
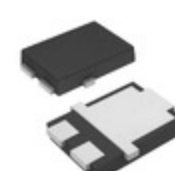
[SS10PH45.pdf](#)

PCN Assembly/Origin

[MSSx/SSx 21/Jun/2022.pdf](#)

Customers Also Interested in

Recommended Products



SS10PH10HM3 Electro-Films (EFI) / Vishay	SS10PH45HM3_A/H Vishay General Semiconductor - Diodes Division DIODE SCHOTTKY 45V 10A TO277A	SS10PH10HM3_A/H Vishay General Semiconductor - Diodes Division DIODE SCHOTTKY 100V 10A TO277A	SS10PH45HM3/86A Vishay General Semiconductor - Diodes Division DIODE SCHOTTKY 45V 10A TO277A	SS10P6HM3/86A Vishay General Semiconductor - Diodes Division DIODE SCHOTTKY 60V 7A TO277A	SS10PH10-E3/86A Electro-Films (EFI) / Vishay
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SS10PH45HM3_A/I

Vishay General Semiconductor - Diodes Division
DIODE SCHOTTKY 45V 10A TO277A



SS10PH9-M3/86A

Vishay General Semiconductor - Diodes Division
DIODE SCHOTTKY 90V 10A TO277A



SS10U60

Yangjie Technology
Diodes - Rectifiers - Single TO-



SS10PH45HM3-A/H

Electro-Films (EFI) / Vishay



SS10U45

Yangjie Technology
TO-277 45V 10.0A Diodes Rectif



SS10PH10HM3_A/I

Vishay General Semiconductor - Diodes Division
DIODE SCHOTTKY 100V 10A TO277A



SS10PH9HM3/86A

Vishay General Semiconductor - Diodes Division
DIODE SCHOTTKY 90V 10A TO277A



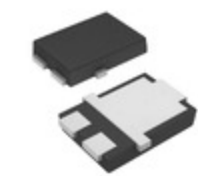
SS10PH10-M3/86A

Vishay General Semiconductor - Diodes Division
DIODE SCHOTTKY 100V 10A TO277A



SS10P6HM3_A/I

Vishay General Semiconductor - Diodes Division
DIODE SCHOTTKY 60V 7A TO277A



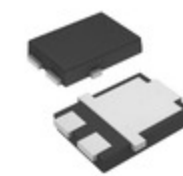
SS10PH10HM3/86A

Vishay General Semiconductor - Diodes Division
DIODE SCHOTTKY 100V 10A TO277A



SS10PH10/10H10

Electro-Films (EFI) / Vishay



SS10PH9HM3/87A

Vishay General Semiconductor - Diodes Division
DIODE SCHOTTKY 90V 10A TO277A

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



Contact us

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