



Image may be representation.
See specifications for product details.



SMF12A-E3-08

Manufacturer Part Number	SMF12A-E3-08
Manufacturer	Vishay General Semiconductor – Diodes Division
Allelco Part Number	32D-SMF12A-E3-08
ECAD Model	Request Free CAD Models
Parts Description	TVS DIODE 12VWM 19.9VC SMF
Package	DO-219AB
Data sheet	SMF5V0A - SMF58A.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

SMF12A-E3-08 - Vishay General Semiconductor - Diodes Division. New Original in Stock. Download Linear Technology SMF12A-E3-08 datasheet/specifications on AllelcoElec.com.
Request a quote for SMF12A-E3-08, please send us email: info@allelco.com

Specifications

SMF12A-E3-08 Tech Specifications

SMF12A-E3-08 - Vishay General Semiconductor - Diodes Division technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Vishay General Semiconductor – Diodes Division	Power - Peak Pulse	200W
Voltage - Reverse Standoff (Typ)	12V	Package / Case	DO-219AB
Voltage - Clamping (Max) @ Ipp	19.9V	Package	Tape & Reel (TR)
Voltage - Breakdown (Min)	13.3V	Operating Temperature	-65°C ~ 175°C (TJ)
Unidirectional Channels	1	Mounting Type	Surface Mount
Type	Zener	Current - Peak Pulse (10/1000µs)	10.1A
Supplier Device Package	DO-219AB (SMF)	Capacitance @ Frequency	483pF @ 1MHz
Series	eSMP®	Base Product Number	SMF12
Power Line Protection	No	Applications	General Purpose

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay General Semiconductor - Diodes Division SMF12A-E3-08

Product Attribute				
Part Number	SMF12A-E3-08	SMF12A	SMF12A	SMF12A-M3-08
Manufacturer	Vishay General Semiconductor - Diodes Division	Meritek	Yangzhou Yangjie Electronic Technology Co.,Ltd	Vishay General Semiconductor - Diodes Division
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Voltage - Reverse Standoff (Typ)	12V	12V	12V	12V
Capacitance @ Frequency	483pF @ 1MHz	-	-	483pF @ 1MHz
Unidirectional Channels	1	1	1	1
Operating Temperature	-65°C ~ 175°C (TJ)	-55°C ~ 150°C	-55°C ~ 150°C (TJ)	-65°C ~ 175°C (TJ)
Power Line Protection	No	-	No	No
Base Product Number	SMF12	-	-	SMF12
Package / Case	DO-219AB	SOD-123FL	SOD-123F	DO-219AB
Voltage - Breakdown (Min)	13.3V	13.3V	13.3V	13.3V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	DO-219AB (SMF)	-	SOD-123FL	DO-219AB (SMF)
Type	Zener	Zener	Zener	Zener
Voltage - Clamping (Max) @ Ipp	19.9V	19.9V	19.9V	19.9V
Series	eSMP®	SMF	SMF	eSMP®
Applications	General Purpose	General Purpose	Automotive, Telecom	General Purpose
Power - Peak Pulse	200W	200W	200W	200W
Current - Peak Pulse (10/1000µs)	10.1A	10.05A	10.05A	10.1A

SMF12A-E3-08 Datasheet PDF

Download SMF12A-E3-08 pdf datasheets and Vishay General Semiconductor - Diodes Division documentation for SMF12A-E3-08 - Vishay General Semiconductor - Diodes Division.

Datasheets

[SMF5V0A - SMF58A.pdf](#)

PCN Assembly/Origin

[Mult Dev Plating House Add 15/Jan/2021.pdf](#)

Customers Also Interested in

Recommended Products

**SMF12A**Meritek
TVS DIODE 12VWM 19.9VC**SMF12A-GS08**

Electro-Films (EFI) / Vishay

**SMF12A**Yangzhou Yangjie Electronic
Technology Co.,Ltd
TVS DIODE 12VWM 19.9VC
SOD123FL**SMF120A_R1**

PANJIT

**SMF12A-M3-08**Vishay General Semiconductor -
Diodes Division
TVS DIODE 12VWM 19.9VC SMF**SMF12AT1G**Littelfuse Inc.
TVS DIODE 12VWM 19.9VC
SOD123FL**SMF12A**Littelfuse Inc.
TVS DIODE 12VWM 19.9VC SOD123F**SMF12A**Taiwan Semiconductor
Corporation
TVS DIODE 12VWM 19.9VC
SOD123W**SMF120AT3G**

AMI Semiconductor/onsemi

**SMF12A-HE3-08**Vishay General Semiconductor -
Diodes Division
TVS DIODE 12VWM 19.9VC DO219AB**SMF12A-E3-80**

Electro-Films (EFI) / Vishay

**SMF12A-HAF**

STMicroelectronics

**SMF12A-M-08**

Electro-Films (EFI) / Vishay

**SMF120CA**Diotec Semiconductor
TVS DIODE 120VWM 193VC
SOD123F**SMF120A**Diotec Semiconductor
TVS SOD-123FL 120V 200W UNI**SMF12AT1G**onsemi
200W TRANSIENT VOLTAGE
SUPPRESSOR**SMF12A**Diotec Semiconductor
TVS SOD-123FL 12V 200W UNI**SMF120CA**Meritek
TVS DIODE 120VWM 193VC

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
ManagementCost-Saving
ProcurementFast Sourcing &
Delivery

Contact us if you have any questions.



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Certifications & Memberships



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