

Image may be representation.
See specifications for product details.



ESDA12-1K

Manufacturer Part Number	ESDA12-1K
Manufacturer	STMicroelectronics
Allelco Part Number	32D-ESDA12-1K
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	TVS DIODE 10VWM 28VC SOD523
Package	SC-79, SOD-523
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ESDA12-1K - STMicroelectronics.New Original in Stock. Download Linear Technology ESDA12-1K datasheet/specifications on AllelcoElec.com.
Request a quote for ESDA12-1K, please send us email: info@allelco.com

Specifications

ESDA12-1K Tech Specifications

ESDA12-1K - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Power - Peak Pulse	450W
Voltage - Reverse Standoff (Typ)	10V	Package / Case	SC-79, SOD-523
Voltage - Clamping (Max) @ Ipp	28V	Package	Tape & Reel (TR)
Voltage - Breakdown (Min)	12V	Operating Temperature	-40°C ~ 150°C (TJ)
Unidirectional Channels	1	Mounting Type	Surface Mount
Type	Zener	Current - Peak Pulse (10/1000µs)	16A (8/20µs)
Supplier Device Package	SOD-523	Capacitance @ Frequency	150pF @ 1MHz
Series	ESDA, TRANSIL™	Base Product Number	ESDA12
Power Line Protection	No	Applications	General Purpose

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics ESDA12-1K

Product Attribute				
Part Number	ESDA12-1K	ESDA13P70-1U1M	ESDA14V2L	ESDA14V2-1BF3
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Type	Zener	Zener	Zener	Zener
Base Product Number	ESDA12	ESDA13	ESDA14	ESDA14V2
Power - Peak Pulse	450W	1300W (1.3kW)	300W	50W
Voltage - Reverse Standoff (Typ)	10V	12V	12V	12V
Package / Case	SC-79, SOD-523	2-UDFN	TO-236-3, SC-59, SOT-23-3	2-XFBGA, FCBGA
Voltage - Clamping (Max) @ Ipp	28V	20V	-	-
Current - Peak Pulse (10/1000µs)	16A (8/20µs)	60A (8/20µs)	-	-
Voltage - Breakdown (Min)	12V	12.5V	14.2V	14.2V
Operating Temperature	-40°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)
Supplier Device Package	SOD-523	1610	SOT-23-3	2-FlipChip
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Capacitance @ Frequency	150pF @ 1MHz	-	-	-
Applications	General Purpose	General Purpose	General Purpose	General Purpose
Series	ESDA, TRANSIL™	-	ESDA, TRANSIL™	ESDA, TRANSIL™
Power Line Protection	No	No	No	No
Unidirectional Channels	1	1	2	-

ESDA12-1K Datasheet PDF

Download ESDA12-1K pdf datasheets and STMicroelectronics documentation for ESDA12-1K - STMicroelectronics.

PCN Packaging

2.73KHz.pdf

HTML Datasheet

Cylindrical Battery Holders.pdf

Customers Also Interested in

Recommended Products



NO PICTURE

ESDA05CT
TINYSEMI



ESDA13P70-1U1M
STMicroelectronics
TVS DIODE 12VWM 20VC 1610



NO PICTURE

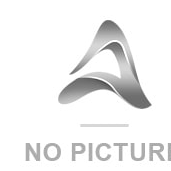
ESDA0603-09
TINYSEMI



ESDA14V2L
STMicroelectronics
TVS DIODE 12VWM SOT23-3

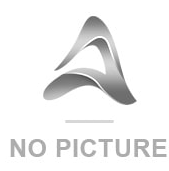


ESDA14V2-1BF3
STMicroelectronics
TVS DIODE 12VWM 2FLIPCHIP



NO PICTURE

ESDA14V2L EL15
STM



NO PICTURE

ESDA05C-4-LF-T7
PROTEK



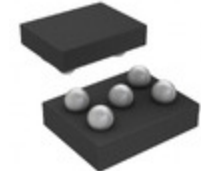
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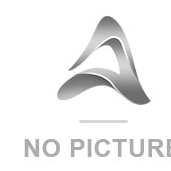


NO PICTURE

ESDA0402/09
Semitehelec



ESDA14V2-2BF3
STMicroelectronics
TVS DIODE 12VWM 4FLIPCHIP



NO PICTURE

ESDA05CW
SEMITEH



ESDA14V2BP6
STMicroelectronics
TVS DIODE 12VWM SOT666

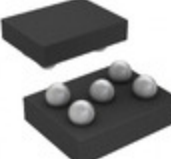


ESDA14V2L(EL15)
STMicroelectronics

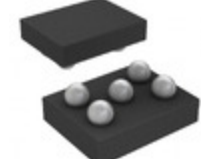


NO PICTURE

ESDA0603-18
TINYSEMI



ESDA14V2-4BF3
STMicroelectronics
TVS DIODE 12VWM 5FLIPCHIP



ESDA14V2-4BF2
STMicroelectronics
TVS DIODE 12VWM 5FLIPCHIP



NO PICTURE

ESDA0603-12
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NO PICTURE

ESDA0402/ULP
JXND

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 Alleco 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.



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 Cost-Saving Procurement
 Fast Sourcing & Delivery

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Certifications & Memberships



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