



Image may be representation.
See specifications for product details.



SIC431AED-T1-GE3

Manufacturer Part Number	SIC431AED-T1-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SIC431AED-T1-GE3
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC REG BUCK ADJ 24A MLP44-24
Package	24-PowerWFQFN
Data sheet	SiC431.pdf
	SiC431.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

SIC431AED-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SIC431AED-T1-GE3 datasheet/specifications on AllelcoElec.com.
Request a quote for SIC431AED-T1-GE3, please send us email: info@allelco.com

Specifications

SIC431AED-T1-GE3 Tech Specifications
SIC431AED-T1-GE3 - Vishay Siliconix technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Vishay / Siliconix	Package	Tape & Reel (TR)
Voltage - Output (Min/Fixed)	0.6V	Output Type	Adjustable
Voltage - Output (Max)	20V	Output Configuration	Positive
Voltage - Input (Min)	3V	Operating Temperature	-40°C ~ 125°C (TA)
Voltage - Input (Max)	24V	Number of Outputs	1
Topology	Buck	Mounting Type	Surface Mount
Synchronous Rectifier	Yes	Function	Step-Down
Supplier Device Package	PowerPAK® MLP44-24	Frequency - Switching	300kHz ~ 1MHz
Series	-	Current - Output	24A
Package / Case	24-PowerWFQFN	Base Product Number	SIC431

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SIC431AED-T1-GE3

Product Attribute				
Part Number	SIC431AED-T1-GE3	SIC413CB-T1-E3	SIC451ED-T1-GE3	SIC437DED-T1-GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Voltage - Output (Min/Fixed)	0.6V	0.6V	0.3V	0.6V
Voltage - Output (Max)	20V	13.2V	12V	20V
Base Product Number	SIC431	SIC413	SIC451	SIC437
Voltage - Input (Min)	3V	4.75V	4.5V	3V
Package / Case	24-PowerWFQFN	8-SOIC (0.154", 3.90mm Width)	34-PowerWFQFN	24-PowerWFQFN
Supplier Device Package	PowerPAK® MLP44-24	8-SOIC	PowerPAK® MLP34-57	PowerPAK® MLP44-24
Synchronous Rectifier	Yes	Yes	Yes	Yes
Output Type	Adjustable	Adjustable	Adjustable	Adjustable
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	-	microBUCK®	microBUCK®	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Operating Temperature	-40°C ~ 125°C (TA)	-25°C ~ 125°C (TJ)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TJ)
Current - Output	24A	4A	25A	12A
Topology	Buck	Buck	Buck	Buck
Output Configuration	Positive	Positive	Positive	Positive
Number of Outputs	1	1	1	1
Voltage - Input (Max)	24V	26V	20V	28V
Frequency - Switching	300kHz ~ 1MHz	500kHz	300kHz ~ 1.5MHz	300kHz ~ 1MHz
Function	Step-Down	Step-Down	Step-Down	Step-Down

SIC431AED-T1-GE3 Datasheet PDF

Download SIC431AED-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SIC431AED-T1-GE3 - Vishay Siliconix.

Datasheets

[SiC431.pdf](#)

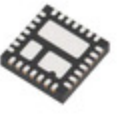


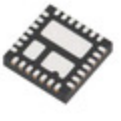






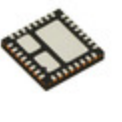

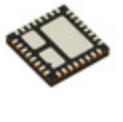

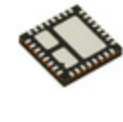



PCN Assembly/Origin

[Mult Dev 25/Jan/2023.pdf](#)

HTML Datasheet

Customers Also Interested in

Recommended Products

					
SIC424CD-T1-GE3 Vishay Siliconix IC REG DL BUCK/LNR SYNC 44MLP-28	SIC448ED-T1-GE3 Electro-Films (EFI) / Vishay	SIC413CB-T1-E3 Vishay Siliconix IC REG BUCK ADJUSTABLE 4A 8SO	SIC414CD-T1-GE3 Vishay Siliconix IC REG DL BUCK/LNR SYNC 28MLPQ	SIC451ED-T1-GE3 Vishay Siliconix MICROBUCK DC/DC CONVERTER 25 A	SIC437DED-T1-GE3 Vishay Siliconix MICROBUCK POWERSAVE
					
SIC437CED-T1-GE3 Vishay Siliconix 3 - 28V,12A MICROBUCK ULTRASONIC	SIC438BED-T1-GE3 Vishay Siliconix IC REG BUCK ADJUSTABLE 8A	SIC438AED-T1-GE3 Vishay Siliconix MICROBUCK POWERSAVE	SIC437BED-T1-GE3 Vishay Siliconix MICROBUCK POWERSAVE	SIC403ACD-T1-GE3 Vishay Siliconix IC REG DL BUCK/LNR SYNC MLP55-32	SIC433-02 KODENSHI
					
SIC402BCD-T1-GE3 Vishay Siliconix IC REG DL BUCK/LNR SYNC MLP55-32	SIC437AED-T1-GE3 Vishay Siliconix IC REG BUCK ADJ 12A MLP44-24	SIC403CD-T1-GE3 Vishay Siliconix IC REG DL BUCK/LNR SYNC MLP55-32	SIC417CD-T1-E3 Vishay Siliconix IC REG DL BUCK/LNR SYNC MLP55-32	SIC417CD Electro-Films (EFI) / Vishay	SIC413CB-TI-E3 Electro-Films (EFI) / Vishay

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.



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-  Efficient Supply Management
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