



Image may be representation.
See specifications for product details.



SIC438AED-T1-GE3

Manufacturer Part Number	SIC438AED-T1-GE3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-SIC438AED-T1-GE3
ECAD Model	PCB Footprint and Symbol
Parts Description	MICROBUCK POWERSAVE
Package	24-PowerWFQFN
Data sheet	SiC437,38 Datasheet.pdf
	SiC437,38 Datasheet.pdf
RoHs Status	ROHS3 Compliant

[Get a Quote](#)

SIC438AED-T1-GE3 - Vishay Siliconix. New Original in Stock. Download Linear Technology SIC438AED-T1-GE3 datasheet/specifications on AllelcoElec.com.
Request a quote for SIC438AED-T1-GE3, please send us email: info@allelco.com

Specifications

SIC438AED-T1-GE3 Tech Specifications
SIC438AED-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 (TJ)
Voltage - Input (Max)	28V	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	8A
Package / Case	24-PowerWFQFN	Base Product Number	SIC438

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix SIC438AED-T1-GE3

Product Attribute				
Part Number	SIC438AED-T1-GE3	SIC463ED-T1-GE3	SIC438BED-T1-GE3	SIC431AED-T1-GE3
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Base Product Number	SIC438	SIC463	SIC438	SIC431
Supplier Device Package	PowerPAK® MLP44-24	PowerPAK® MLP55-27	PowerPAK® MLP44-24	PowerPAK® MLP44-24
Voltage - Output (Max)	20V	55.2V	20V	20V
Voltage - Output (Min/Fixed)	0.6V	0.8V	0.6V	0.6V
Current - Output	8A	4A	8A	24A
Topology	Buck	Buck	Buck	Buck
Operating Temperature	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TA)
Output Configuration	Positive	Positive	Positive	Positive
Number of Outputs	1	1	1	1
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Function	Step-Down	Step-Down	Step-Down	Step-Down
Synchronous Rectifier	Yes	Yes	Yes	Yes
Series	-	microBUCK®	-	-
Voltage - Input (Min)	3V	4.5V	3V	3V
Package / Case	24-PowerWFQFN	PowerPAK® MLP55-27	24-PowerWFQFN	24-PowerWFQFN
Output Type	Adjustable	Adjustable	Adjustable	Adjustable
Frequency - Switching	300kHz ~ 1MHz	100kHz ~ 2MHz	300kHz ~ 1MHz	300kHz ~ 1MHz
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Voltage - Input (Max)	28V	60V	28V	24V

SIC438AED-T1-GE3 Datasheet PDF

Download SIC438AED-T1-GE3 pdf datasheets and Vishay Siliconix documentation for SIC438AED-T1-GE3 - Vishay Siliconix.

Datasheets

[SiC437,38 Datasheet.pdf](#)




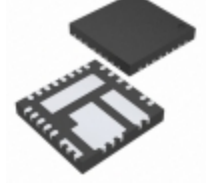


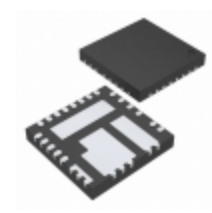

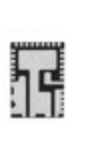



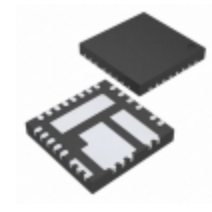

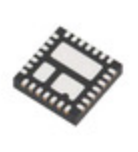
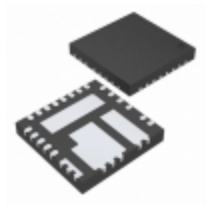


PCN Assembly/Origin

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

HTML Datasheet

Customers Also Interested in

Recommended Products

					
SIC433-02 KODENSHI	SIC417CD Electro-Films (EFI) / Vishay	SIC414CD-T1-GE3 Vishay Siliconix IC REG DL BUCK/LNR SYNC 28MLPQ	SIC463ED-T1-GE3 Vishay Siliconix IC REG BUCK ADJ 4A MLP55-27	SIC438BED-T1-GE3 Vishay Siliconix IC REG BUCK ADJUSTABLE 8A	SIC431AED-T1-GE3 Vishay Siliconix IC REG BUCK ADJ 24A MLP44-24
					
SIC462ED-T1-GE3 Vishay Siliconix IC REG BUCK ADJ 6A MLP55-27	SIC417CD-T1-E3 Vishay Siliconix IC REG DL BUCK/LNR SYNC MLP55-32	SIC451ED-T1-GE3 Vishay Siliconix MICROBUCK DC/DC CONVERTER 25 A	SIC437BED-T1-GE3 Vishay Siliconix MICROBUCK POWERSAVE	SIC453ED-T1-GE3 Vishay Siliconix 4.5 V TO 20 V INPUT, 15 A, 25 A,	SIC437CED-T1-GE3 Vishay Siliconix 3 - 28V,12A MICROBUCK ULTRASONIC
					
SIC461ED-T1-GE3 Vishay Siliconix IC REG BUCK ADJ 10A MLP55-27	SIC437DED-T1-GE3 Vishay Siliconix MICROBUCK POWERSAVE	SIC424CD-T1-GE3 Vishay Siliconix IC REG DL BUCK/LNR SYNC 44MLP-28	SIC464ED-T1-GE3 Vishay Siliconix IC REG BUCK ADJ 2A MLP55-27	SIC437AED-T1-GE3 Vishay Siliconix IC REG BUCK ADJ 12A MLP44-24	SIC464ED-TI-GE3 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.



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