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See specifications for product details.



MCP16331T-E/CH

Manufacturer Part Number	MCP16331T-E/CH
Manufacturer	Microchip Technology
Allelco Part Number	32D-MCP16331T-E/CH
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC REG BUCK ADJ 500MA SOT23-6
Package	SOT-23-6
Data sheet	MCP16331.pdf
	MCP16331.pdf
RoHs Status	ROHS3 Compliant

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MCP16331T-E/CH - Microchip Technology. New Original in Stock. Download Linear Technology MCP16331T-E/CH datasheet/specifications on AllelcoElec.com.
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Specifications

MCP16331T-E/CH Tech Specifications

MCP16331T-E/CH - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Package	Tape & Reel (TR)
Voltage - Output (Min/Fixed)	2V	Output Type	Adjustable
Voltage - Output (Max)	24V	Output Configuration	Positive
Voltage - Input (Min)	4.4V	Operating Temperature	-40°C ~ 125°C (TJ)
Voltage - Input (Max)	50V	Number of Outputs	1
Topology	Buck	Mounting Type	Surface Mount
Synchronous Rectifier	No	Function	Step-Down
Supplier Device Package	SOT-23-6	Frequency - Switching	500kHz
Series	-	Current - Output	500mA
Package / Case	SOT-23-6	Base Product Number	MCP16331

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP16331T-E/CH

Product Attribute				
Part Number	MCP16331T-E/CH	MCP1640CT-I/MC	MCP16322T-180E/NG	MCP16321T-250E/NG
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Series	-	-	-	-
Current - Output	500mA	350mA	2A	1A
Synchronous Rectifier	No	Yes	Yes	Yes
Voltage - Output (Min/Fixed)	2V	2V	1.8V	2.5V
Voltage - Output (Max)	24V	5.5V	-	-
Voltage - Input (Max)	50V	5.5V	24V	24V
Voltage - Input (Min)	4.4V	0.8V	6V	6V
Base Product Number	MCP16331	MCP1640	MCP16322	MCP16321
Operating Temperature	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)
Output Type	Adjustable	Adjustable	Fixed	Fixed
Function	Step-Down	Step-Up	Step-Down	Step-Down
Package / Case	SOT-23-6	8-VDFDN Exposed Pad	16-VFQFN Exposed Pad	16-VFQFN Exposed Pad
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Number of Outputs	1	1	1	1
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Topology	Buck	Boost	Buck	Buck
Output Configuration	Positive	Positive	Positive	Positive
Supplier Device Package	SOT-23-6	8-DFN (2x3)	16-QFN (3x3)	16-QFN (3x3)
Frequency - Switching	500kHz	500kHz	1MHz	1MHz

MCP16331T-E/CH Datasheet PDF

Download MCP16331T-E/CH pdf datasheets and Microchip Technology documentation for MCP16331T-E/CH - Microchip Technology.

Datasheets

[MCP16331.pdf](#)

PCN Packaging

[Label and Packing Changes 23/Sep/2015.pdf](#)

[Packing Changes 10/Oct/2016.pdf](#)

PCN Design/Specification

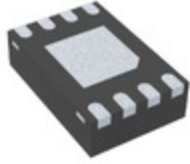




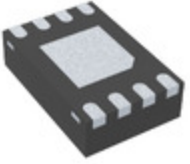
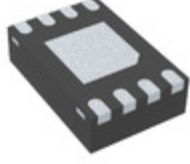
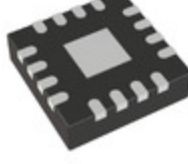
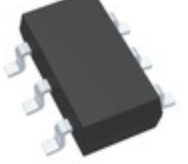
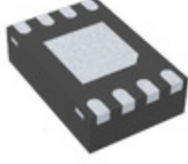


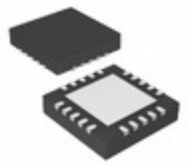

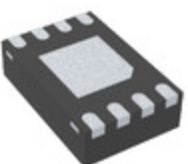


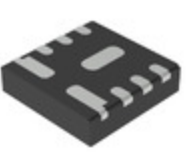
[MCP16331T-E/CH Design/Specification.pdf](#)

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HTML Datasheet

Customers Also Interested in

Recommended Products

 MCP1640CT-I/MC Microchip Technology IC REG BOOST ADJ 350MA 8DFN	 MCP16322T-180E/NG Microchip Technology IC REG BUCK 1.8V 2A 16QFN	 MCP1631HV-500E/ST Microchip Technology IC REG CTRLR SEPIC 20TSSOP	 MCP1632-BAE/MS Microchip Technology IC REG CTRLR MULT TOPOLOGY 8MSOP	 MCP16321T-250E/NG Microchip Technology IC REG BUCK 2.5V 1A 16QFN	 MCP1640-I/MC Microchip Technology IC REG BOOST ADJ 350MA 8DFN
 MCP1640BT-I/MC Microchip Technology IC REG BOOST ADJ 350MA 8DFN	 MCP1633T-E/MG Microchip Technology HIGH SPEED PWM CONTROLLER W/ DIM	 MCP1640BT-I/CHY Microchip Technology IC REG BOOST ADJ 350MA SOT23-6	 MCP1640B-I/MC Microchip Technology IC REG BOOST ADJ 350MA 8DFN	 MCP1631VT-E/SS Microchip Technology IC REG CTRLR SEPIC 20SSOP	 MCP1640CT-I/CHY Microchip Technology IC REG BOOST ADJ 350MA SOT23-6
 MCP1631T-E/ML Microchip Technology IC REG CTRLR SEPIC 20QFN	 MCP1631T-E/ST Microchip Technology IC REG CTRLR SEPIC 20TSSOP	 MCP1640C-I/MC Microchip Technology IC REG BOOST ADJ 350MA 8DFN	 MCP1632-AAE/MS Microchip Technology IC REG CTRLR MULT TOPOLOGY 8MSOP	 MCP16321T-ADJE/NG Microchip Technology IC REG BUCK ADJUSTABLE 1A 16QFN	 MCP16361T-E/NMX Microchip Technology IC BUCK CONVERTER 48V 2MHZ

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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Contact us if you have any questions.

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Certifications & Memberships



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