

Image may be representation.
See specifications for product details.



MCP3425A0T-E/CH

Manufacturer Part Number	MCP3425A0T-E/CH
Manufacturer	Microchip Technology
Allelco Part Number	32D-MCP3425A0T-E/CH
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC ADC 16BIT SIGMA-DELTA SOT23-6
Package	SOT-23-6
Data sheet	MCP3425.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MCP3425A0T-E/CH - Microchip Technology.New Original in Stock. Download Linear Technology MCP3425A0T-E/CH datasheet/specifications on AllelcoElec.com. Request a quote for MCP3425A0T-E/CH, please send us email: info@allelco.com

Specifications

MCP3425A0T-E/CH Tech Specifications
MCP3425A0T-E/CH - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Number of Inputs	1
Voltage - Supply, Digital	2.7V ~ 5.5V	Number of Bits	16
Voltage - Supply, Analog	2.7V ~ 5.5V	Number of A/D Converters	1
Supplier Device Package	SOT-23-6	Mounting Type	Surface Mount
Series	-	Input Type	Differential
Sampling Rate (Per Second)	15	Features	PGA
Reference Type	Internal	Data Interface	I ² C
Ratio - S/H:ADC	-	Configuration	PGA-ADC
Package / Case	SOT-23-6	Base Product Number	MCP3425
Package	Tape & Reel (TR)	Architecture	Sigma-Delta
Operating Temperature	-40°C ~ 125°C		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP3425A0T-E/CH

Product Attribute				
Part Number	MCP3425A0T-E/CH	MCP3551T-E/SN	MCP3553-E/SN	MCP3421A0T-E/CH
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Voltage - Supply, Digital	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Series	-	-	-	-
Number of Inputs	1	1	1	1
Sampling Rate (Per Second)	15	14	60	3.75
Base Product Number	MCP3425	MCP3551	MCP3553	MCP3421
Number of Bits	16	22	22	18
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tube	Tape & Reel (TR)
Configuration	PGA-ADC	ADC	ADC	PGA-ADC
Data Interface	I ² C	SPI	SPI	I ² C
Reference Type	Internal	External	External	Internal
Package / Case	SOT-23-6	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	SOT-23-6
Number of A/D Converters	1	1	1	1
Architecture	Sigma-Delta	Sigma-Delta	Sigma-Delta	Sigma-Delta
Ratio - S/H:ADC	-	-	-	-
Supplier Device Package	SOT-23-6	8-SOIC	8-SOIC	SOT-23-6
Input Type	Differential	Differential	Differential	Differential
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Voltage - Supply, Analog	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Features	PGA	-	-	PGA
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

MCP3425A0T-E/CH Datasheet PDF

Download MCP3425A0T-E/CH pdf datasheets and Microchip Technology documentation for MCP3425A0T-E/CH - Microchip Technology.

Datasheets

MCP3425.pdf

PCN Packaging

Label and Packing Changes 23/Sep/2015.pdf



















Packing Changes 10/Oct/2016.pdf



Bond Wire 17/Jan/2023.pdf

Customers Also Interested in

Recommended Products

					
MCP3551T-E/SN Microchip Technology IC ADC 22BIT SIGMA-DELTA 8SOIC	MCP3553-E/SN Microchip Technology IC ADC 22BIT SIGMA-DELTA 8SOIC	MCP3421A0T-E/CH Microchip Technology IC ADC 18BIT SIGMA-DELTA SOT23-6	MCP3422A0-E/SN Microchip Technology IC ADC 18BIT SIGMA-DELTA 8SOIC	MCP3553-E/MS Microchip Technology IC ADC 22BIT SIGMA-DELTA 8MSOP	MCP3424-E/SL Microchip Technology IC ADC 18BIT SIGMA-DELTA 14SOIC
					
MCP3421A1T-E/CH Microchip Technology IC ADC 18BIT SIGMA-DELTA SOT23-6	MCP3425A1T-E/CH Microchip Technology IC ADC 16BIT SIGMA-DELTA SOT23-6	MCP3424-E/ST Microchip Technology IC ADC 18BIT SIGMA-DELTA 14TSSOP	MCP3551-E/MS Microchip Technology IC ADC 22BIT SIGMA-DELTA 8MSOP	MCP3550-50E/SN Microchip Technology IC ADC 22BIT SIGMA-DELTA 8SOIC	MCP3426A0-E/SN Microchip Technology IC ADC 16BIT SIGMA-DELTA 8SOIC
					
MCP3428-E/SL Microchip Technology IC ADC 16BIT SIGMA-DELTA 14SOIC	MCP3428T-E/SL Microchip Technology IC ADC 16BIT SIGMA-DELTA 14SOIC	MCP3422A1-E/SN Microchip Technology IC ADC 18BIT SIGMA-DELTA 8SOIC	MCP3551-E/SN Microchip Technology IC ADC 22BIT SIGMA-DELTA 8SOIC	MCP3422A0-E/MS Microchip Technology IC ADC 18BIT SIGMA-DELTA 8MSOP	MCP3424T-E/SL Microchip Technology IC ADC 18BIT SIGMA-DELTA 14SOIC

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
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Contact us if you have any questions.

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Certifications & Memberships



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