



Image may be representation.
See specifications for product details.



MCP3221A5T-E/OT

Manufacturer Part Number	MCP3221A5T-E/OT
Manufacturer	Microchip Technology
Allelco Part Number	32D-MCP3221A5T-E/OT
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC ADC 12BIT SAR SOT23-5
Package	SC-74A, SOT-753
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

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MCP3221A5T-E/OT - Microchip Technology.New Original in Stock. Download Linear Technology MCP3221A5T-E/OT datasheet/specifications on AllelcoElec.com. Request a quote for MCP3221A5T-E/OT, please send us email: info@allelco.com

Specifications

MCP3221A5T-E/OT Tech Specifications

MCP3221A5T-E/OT - 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	12
Voltage - Supply, Analog	2.7V ~ 5.5V	Number of A/D Converters	1
Supplier Device Package	SOT-23-5	Mounting Type	Surface Mount
Series	-	Input Type	Single Ended
Sampling Rate (Per Second)	22.3k	Features	-
Reference Type	Supply	Data Interface	I ² C
Ratio - S/H:ADC	1:1	Configuration	S/H-ADC
Package / Case	SC-74A, SOT-753	Base Product Number	MCP3221
Package	Tape & Reel (TR)	Architecture	SAR
Operating Temperature	-40°C ~ 125°C		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP3221A5T-E/OT

Product Attribute				
Part Number	MCP3221A5T-E/OT	MCP3208-CI/SL	MCP3208-CI/P	MCP3204-CI/ST
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Input Type	Single Ended	Pseudo-Differential, Single Ended	Pseudo-Differential, Single Ended	Pseudo-Differential, Single Ended
Configuration	S/H-ADC	MUX-S/H-ADC	MUX-S/H-ADC	MUX-S/H-ADC
Architecture	SAR	SAR	SAR	SAR
Features	-	-	-	-
Sampling Rate (Per Second)	22.3k	100k	100k	100k
Base Product Number	MCP3221	MCP3208	MCP3208	MCP3204
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount
Operating Temperature	-40°C ~ 125°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Package / Case	SC-74A, SOT-753	16-SOIC (0.154", 3.90mm Width)	16-DIP (0.300", 7.62mm)	14-TSSOP (0.173", 4.40mm Width)
Number of Inputs	1	4, 8	4, 8	2, 4
Data Interface	I ² C	SPI	SPI	SPI
Ratio - S/H:ADC	1:1	1:1	1:1	1:1
Reference Type	Supply	External	External	External
Number of Bits	12	12	12	12
Voltage - Supply, Analog	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Supplier Device Package	SOT-23-5	16-SOIC	16-PDIP	14-TSSOP
Package	Tape & Reel (TR)	Tube	Tube	Tube
Number of A/D Converters	1	1	1	1
Voltage - Supply, Digital	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Series	-	-	-	-

MCP3221A5T-E/OT Datasheet PDF

Download MCP3221A5T-E/OT pdf datasheets and Microchip Technology documentation for MCP3221A5T-E/OT - Microchip Technology.

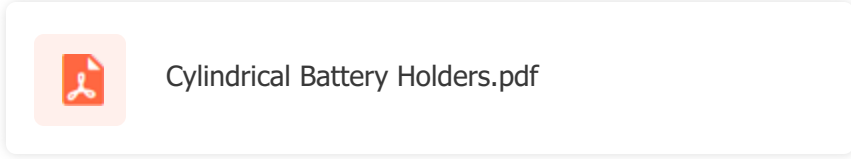
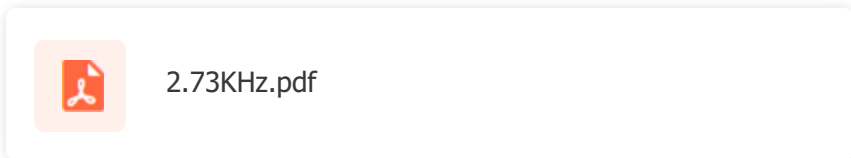
Datasheets

[Cylindrical Battery Holders.pdf](#)

PCN Packaging

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

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



Customers Also Interested in

Recommended Products

MCP3208-CI/SL Microchip Technology IC ADC 12BIT SAR 16SOIC	MCP3208-CI/P Microchip Technology IC ADC 12BIT SAR 16DIP	MCP3204-CI/ST Microchip Technology IC ADC 12BIT SAR 14TSSOP	MCP3208T-BI/SL Microchip Technology IC ADC 12BIT SAR 16SOIC	MCP3221A5T-I/OT Microchip Technology IC ADC 12BIT SAR SOT23-5	MCP3301-BI/SN Microchip Technology IC ADC 13BIT SAR 8SOIC
MCP3301T-CI/SN Microchip Technology IC ADC 13BIT SAR 8SOIC	MCP3208T-CI/SL Microchip Technology IC ADC 12BIT SAR 16SOIC	MCP3302-BI/SL Microchip Technology IC ADC 13BIT SAR 14SOIC	MCP3208-CI/SLVAO Microchip Technology IC ADC 12BIT SAR 16SOIC	MCP3221A0T-E/OT Microchip Technology IC ADC 12BIT SAR SOT23-5	MCP3301-CI/SN Microchip Technology IC ADC 13BIT SAR 8SOIC
MCP3221A6T-E/OT Microchip Technology IC ADC 12BIT SAR SOT23-5	MCP3302-BI/P Microchip Technology IC ADC 13BIT SAR 14DIP	MCP3208-BI/P Microchip Technology IC ADC 12BIT SAR 16DIP	MCP3301-BI/MS Microchip Technology IC ADC 13BIT SAR 8MSOP	MCP3301-CI/P Microchip Technology IC ADC 13BIT SAR 8DIP	MCP3208-BI/SL Microchip Technology IC ADC 12BIT SAR 16SOIC

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.

<p>Payment Support</p> <p>The payment method can be chosen from the methods shown below: Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.</p>	<p>Your Faithful Supply Chain Partner -</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Efficient Supply Management</p> </div> <div style="text-align: center;"> <p>Cost-Saving Procurement</p> </div> <div style="text-align: center;"> <p>Fast Sourcing & Delivery</p> </div> </div> <p>Contact us if you have any questions.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Phone +00852 9146 4856</p> </div> <div style="text-align: center;"> <p>Email info@allelco.com</p> </div> </div>	<p>Certifications & Memberships</p> <div style="display: flex; justify-content: space-around;"> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> </div> <p style="text-align: center; font-size: small;">View More</p>
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