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See specifications for product details.



MCP9701AT-E/TT

Manufacturer Part Number **MCP9701AT-E/TT**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-MCP9701AT-E/TT**

ECAD Model PCB Symbol, Footprint & 3D Model

Parts Description **SENSOR ANALOG -10C-125C SOT23-3**

Package **TO-236-3, SC-59, SOT-23-3**

Data sheet **[Analog and Interface Product Guide.pdf](#)**

[MCP9700-01\(A\) Datasheet.pdf](#)

RoHs Status **ROHS3 Compliant**

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MCP9701AT-E/TT - Microchip Technology. New Original in Stock. Download Linear Technology MCP9701AT-E/TT datasheet/specifications on AllelcoElec.com.
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Specifications

MCP9701AT-E/TT Tech Specifications

MCP9701AT-E/TT - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Package / Case	TO-236-3, SC-59, SOT-23-3
Voltage - Supply	3.1V ~ 5.5V	Package	Tape & Reel (TR)
Test Condition	0°C ~ 70°C (-10°C ~ 125°C)	Output Type	Analog Voltage
Supplier Device Package	SOT-23-3	Operating Temperature	-40°C ~ 125°C
Series	-	Mounting Type	Surface Mount
Sensor Type	Analog, Local	Features	-
Sensing Temperature - Remote	-	Base Product Number	MCP9701
Sensing Temperature - Local	-10°C ~ 125°C	Accuracy - Highest (Lowest)	±2°C (-2°C, +4°C)
Resolution	19.5mV/°C		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP9701AT-E/TT

Product Attribute				
Part Number	MCP9701AT-E/TT	MCP9801-M/SN	MCP9700AT-E/LT	MCP9700AT-E/TTVAO
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Series	-	-	-	Automotive, AEC-Q100
Voltage - Supply	3.1V ~ 5.5V	2.7V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V
Test Condition	0°C ~ 70°C (-10°C ~ 125°C)	-10°C ~ 85°C (-55°C ~ 125°C)	0°C ~ 70°C (-40°C ~ 125°C)	0°C ~ 70°C (-40°C ~ 125°C)
Package	Tape & Reel (TR)	Tube	Tape & Reel (TR)	Tape & Reel (TR)
Base Product Number	MCP9701	MCP9801	MCP9700	MCP9700
Package / Case	TO-236-3, SC-59, SOT-23-3	8-SOIC (0.154", 3.90mm Width)	5-TSSOP, SC-70-5, SOT-353	TO-236-3, SC-59, SOT-23-3
Output Type	Analog Voltage	I ² C/SMBus	Analog Voltage	Analog Voltage
Accuracy - Highest (Lowest)	±2°C (-2°C, +4°C)	±1°C (±3°C)	±2°C (-2°C, +4°C)	±2°C (-2°C, +4°C)
Sensor Type	Analog, Local	Digital, Local	Analog, Local	Analog, Local
Supplier Device Package	SOT-23-3	8-SOIC	SC-70-5	SOT-23-3
Sensing Temperature - Remote	-	-	-	-
Resolution	19.5mV/°C	11 b	10mV/°C	10mV/°C
Sensing Temperature - Local	-10°C ~ 125°C	-55°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Features	-	One-Shot, Output Switch, Programmable Limit, Programmable Resolution, Shutdown Mode	-	-
Operating Temperature	-40°C ~ 125°C	-55°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C

MCP9701AT-E/TT Datasheet PDF

Download MCP9701AT-E/TT pdf datasheets and Microchip Technology documentation for MCP9701AT-E/TT - Microchip Technology.

Datasheets

- [Analog and Interface Product Guide.pdf](#)
- [MCP9700-01\(A\) Datasheet.pdf](#)

PCN Packaging



















- [Label and Packing Changes 23/Sep/2015.pdf](#)
- [Packing Changes 10/Oct/2016.pdf](#)

PCN Design/Specification

- [MCP9700x 10/Mar/2023.pdf](#)
- [MCP970x Datasheet 28/Feb/2023.pdf](#)

Customers Also Interested in

Recommended Products

					
MCP9801-M/SN Microchip Technology SENSOR DIGITAL -55C-125C 8SOIC	MCP9700AT-E/LT Microchip Technology SENSOR ANALOG -40C-125C SC70-5	MCP9700AT-E/TTVAO Microchip Technology SENSOR ANALOG -40C-125C SOT23-3	MCP9701T-E/LTV03 Micrel / Microchip Technology	MCP9801-M/MS Microchip Technology SENSOR DIGITAL -55C-125C 8MSOP	MCP9700AT-E/TT Microchip Technology SENSOR ANALOG -40C-125C SOT23-3
					
MCP9700T-E/LT Microchip Technology SENSOR ANALOG -40C-125C SC70-5	MCP9800A5T-M/OT Microchip Technology SENSOR DIGITAL -55C-125C SOT23-5	MCP9701-E/TO Microchip Technology SENSOR ANALOG -10C-125C TO92-3	MCP9701T-E/TT Microchip Technology SENSOR ANALOG -10C-125C SOT23-3	MCP9800A0T-M/OT Microchip Technology SENSOR DIGITAL -55C-125C SOT23-5	MCP9700AT-E/LTVAO Microchip Technology SENSOR ANALOG -40C-125C SC70-5
					
MCP9700T-H/LT Microchip Technology SENSOR ANALOG -40C-150C SC70	MCP9700T-E/TT Microchip Technology SENSOR ANALOG -40C-125C SOT23-3	MCP9701AT-E/LT Microchip Technology SENSOR ANALOG -10C-125C SC70-5	MCP9701T-E/LT Microchip Technology SENSOR ANALOG -10C-125C SC70-5	MCP9701A-E/TO Microchip Technology SENSOR ANALOG -10C-125C TO92-3	MCP9801T-M/MS Microchip Technology SENSOR DIGITAL -55C-125C 8MSOP

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:
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