



Image may be representation.
See specifications for product details.



MCP9700-E/TO

Manufacturer Part Number	MCP9700-E/TO
Manufacturer	Microchip Technology
Allelco Part Number	32D-MCP9700-E/TO
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	SENSOR ANALOG -40C-125C TO92-3
Package	TO-226-3, TO-92-3 (TO-226AA)
Data sheet	Analog and Interface Product Guide.pdf MCP9700-01(A) Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MCP9700-E/TO - Microchip Technology. New Original in Stock. Download Linear Technology MCP9700-E/TO datasheet/specifications on AllelcoElec.com.
Request a quote for MCP9700-E/TO, please send us email: info@allelco.com

Specifications

MCP9700-E/TO Tech Specifications

MCP9700-E/TO - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Package / Case	TO-226-3, TO-92-3 (TO-226AA)
Voltage - Supply	2.3V ~ 5.5V	Package	Bag
Test Condition	0°C ~ 70°C (-40°C ~ 125°C)	Output Type	Analog Voltage
Supplier Device Package	TO-92-3	Operating Temperature	-40°C ~ 125°C
Series	-	Mounting Type	Through Hole
Sensor Type	Analog, Local	Features	-
Sensing Temperature - Remote	-	Base Product Number	MCP9700
Sensing Temperature - Local	-40°C ~ 125°C	Accuracy - Highest (Lowest)	±4°C (-4°C, +6°C)
Resolution	10mV/°C		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP9700-E/TO

Product Attribute				
Part Number	MCP9700-E/TO	MCP9700T-E/LT	MCP9700T-E/TT	MCP9700A-E/TO
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Accuracy - Highest (Lowest)	±4°C (-4°C, +6°C)	±2°C (-4°C, +6°C)	±2°C (-4°C, +6°C)	±2°C (-2°C, +4°C)
Test Condition	0°C ~ 70°C (-40°C ~ 125°C)	0°C ~ 70°C (-40°C ~ 125°C)	0°C ~ 70°C (-40°C ~ 125°C)	0°C ~ 70°C (-40°C ~ 125°C)
Package	Bag	Tape & Reel (TR)	Tape & Reel (TR)	Bag
Features	-	-	-	-
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Sensor Type	Analog, Local	Analog, Local	Analog, Local	Analog, Local
Resolution	10mV/°C	10mV/°C	10mV/°C	10mV/°C
Mounting Type	Through Hole	Surface Mount	Surface Mount	Through Hole
Sensing Temperature - Local	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Output Type	Analog Voltage	Analog Voltage	Analog Voltage	Analog Voltage
Series	-	-	-	-
Package / Case	TO-226-3, TO-92-3 (TO-226AA)	5-TSSOP, SC-70-5, SOT-353	TO-236-3, SC-59, SOT-23-3	TO-226-3, TO-92-3 (TO-226AA)
Base Product Number	MCP9700	MCP9700	MCP9700	MCP9700
Supplier Device Package	TO-92-3	SC-70-5	SOT-23-3	TO-92-3
Sensing Temperature - Remote	-	-	-	-
Voltage - Supply	2.3V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V	2.3V ~ 5.5V

MCP9700-E/TO Datasheet PDF

Download MCP9700-E/TO pdf datasheets and Microchip Technology documentation for MCP9700-E/TO - Microchip Technology.

Datasheets

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

PCN Packaging

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

Other Related Documents






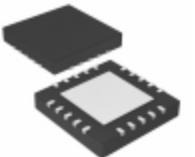

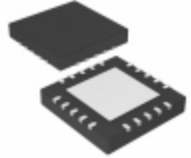

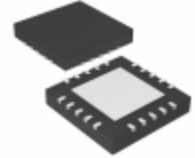



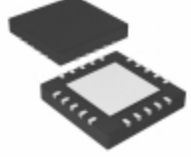
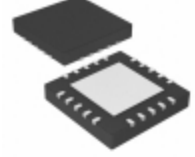



- [Development Tools Catalog.pdf](#)

PCN Design/Specification

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

Customers Also Interested in

Recommended Products

					
MCP9509CT-E/OT Microchip Technology THERMOSTAT PRG ACT LOW SOT23-5	MCP9700T-E/LT Microchip Technology SENSOR ANALOG -40C-125C SC70-5	MCP9700T-E/TT Microchip Technology SENSOR ANALOG -40C-125C SOT23-3	MCP9700A-E/TO Microchip Technology SENSOR ANALOG -40C-125C TO92-3	MCP9700AT-E/TTVAO Microchip Technology SENSOR ANALOG -40C-125C SOT23-3	MCP9600T-I/MX Microchip Technology IC THERMOUPLE TO DIG CONV 20MQFN
					
MCP9510HT-E/CH Microchip Technology THERMOSTAT PRG ACT HI/LO SOT23-6	MCP9600-E/MX Microchip Technology IC THERMOUPLE TO I2C 20MQFN	MCP9510HT-E/CHVAO Microchip Technology THERMOSTAT PRG ACT HI/LO SOT23-6	MCP9600T-E/MX Microchip Technology IC THERMOUPLE TO I2C 20MQFN	MCP9700AT-E/LTVAO Microchip Technology SENSOR ANALOG -40C-125C SC70-5	MCP9700AT-E/LT Microchip Technology SENSOR ANALOG -40C-125C SC70-5
					
MCP9701-E/TO Microchip Technology SENSOR ANALOG -10C-125C TO92-3	MCP96L00T-E/MX Microchip Technology +/- 4.0C THERMOUPLE TO I2C CON	MCP9601-E/MX Microchip Technology IC THERMOUPLE	MCP9509HT-E/OT Microchip Technology THERMOSTAT PRG ACT LOW SOT23-5	MCP9700AT-E/TT Microchip Technology SENSOR ANALOG -40C-125C SOT23-3	MCP9700T-H/LT Microchip Technology SENSOR ANALOG -40C-150C SC70

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,
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