

Temperature Sensor IC, Voltage, $\pm 2^{\circ}\text{C}$, -40°C , $+125^{\circ}\text{C}$, SC-70, 5 Pins

Manufacturers	Microchip Technology, Inc
Package/Case	SC70-5
Product Type	Temperature Sensors
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MCP9701T-E/LT or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Linear Active Thermistor™ ICs are sensors whose output voltage is directly proportional to measured temperature. The MCP9701 can accurately measure temperature from -10°C to $+125^{\circ}\text{C}$. The output of the MCP9701 is calibrated to a slope of $19.53\text{ mV}/^{\circ}\text{C}$ and has a DC offset of 400 mV . The offset allows reading negative temperatures without the need for a negative supply. The MCP9701 is packaged in space saving 5-pin SC-70 packages, making it ideal for space-critical and low-cost applications.

Features

Linear Temperature Slope: $19.53\text{ mV}/^{\circ}\text{C}$

Very low Operating Current: $12\text{ }\mu\text{A}$ (max)

Operates from 3.1V to 5.5V

No external Components Required

Space-saving SC-70 Package

AEC-Q100 Qualified Grade 1

Related Products



[MCP9701AT-E/LT](#)

Microchip Technology, Inc
SC70-5



[EMC1412-2-ACZL-TR](#)

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MSOP-8

