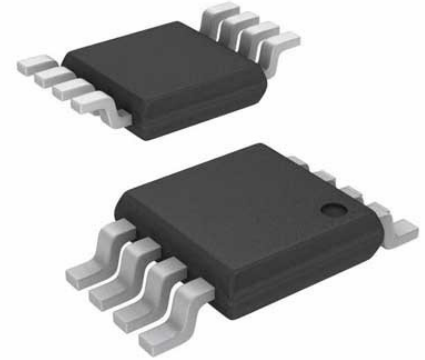**ovaga**

2-Wire Serial Temperature Sensor,Board Mount Temperature Sensors 2-Wire SER Temp Sens/Ther Mon

Manufacturers	Microchip Technology, Inc
Package/Case	MSOP-8
Product Type	Temperature Sensors
RoHS	Rohs
Lifecycle	

Images are for reference only

Please submit RFQ for TCN75AVUA or Email to us: sales@ovaga.com We will contact you in 12 hours.   RFQ

General Description

The TCN75A is a digital temperature sensor capable of reading temperatures from -40°C to +125°C. Temperature data is measured from an integrated temperature sensor and converted to digital word with a user selectable 9 to 12-bit Sigma Delta Analog to Digital Converter. The TCN75A notifies the host controller when the ambient temperature exceeds a user programmed set point. The ALERT output is programmable as either a simple comparator for thermostat operation or as a temperature event interrupt. Communication with the sensor is accomplished via a two-wire bus that is compatible with industry standard protocols. This permits reading the current temperature, programming the set point and hysteresis and configuring the device. Small physical size, low installed cost and ease of use make the TCN75A an ideal choice for implementing sophisticated temperature system management schemes in a variety of applications.

Features

2-wire I²C™/SMBus Compatible Interface

User Selectable 9- to 12-Bit Resolution

Low Operating Current: 500 µA (max)

Shutdown Mode: 2 µA (max)

Power Saving One-Shot Temperature Conversion Measurement

Multi-drop capability

Space-saving MSOP-8 and SOIC-8 Packages

AEC-Q100 Qualified Grade 1

Related Products
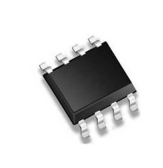
TCN75AVOA713

Microchip Technology, Inc

SOIC-8

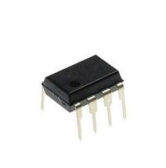**TC77-5.0MCTTR**

Microchip Technology, Inc

SOT-23A-5

TC620CCPA

Microchip Technology, Inc
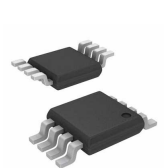
PDIP-8

TC620CEOA

Microchip Technology, Inc

SOIC-8

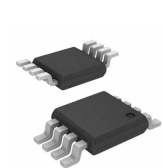**TC622EPA**

Microchip Technology, Inc

PDIP-8

TCN75AVOA

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SOIC-8

TCN75AVUA713

Microchip Technology, Inc

MSOP-8

TC650ACVUATR

Microchip Technology, Inc

MSOP-8