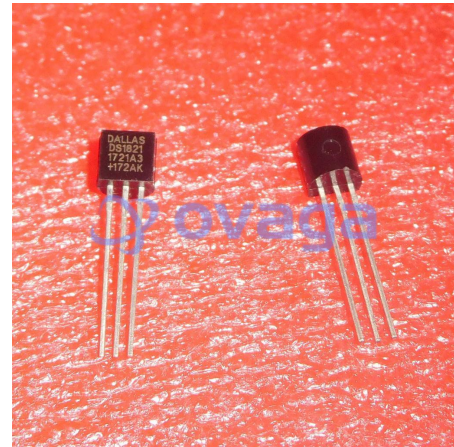


Thermostats Programmable Digital Thermo-stat/monitor

Manufacturers	Analog Devices, Inc
Package/Case	TO-92
Product Type	Temperature Sensors
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for DS1821C+ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

DS1821C+ is a digital thermometer and thermostat manufactured by Maxim Integrated. It is designed to accurately measure temperature and can control the temperature of a system or device by turning on and off an external cooling or heating source based on the user-programmed temperature setpoints.

Features

Measures temperature over a range of -55°C to +125°C

High accuracy of $\pm 0.5^\circ\text{C}$ over the entire temperature range

Digital output in either a 9-bit or 12-bit format

Can be programmed to operate in either thermostat or temperature logger mode

Supports a variety of temperature sensors, including diodes, RTDs, and thermistors

Low power consumption of only 500 μA (max) in normal operation

Can be operated using a single supply voltage from 2.7V to 5.5V

Application

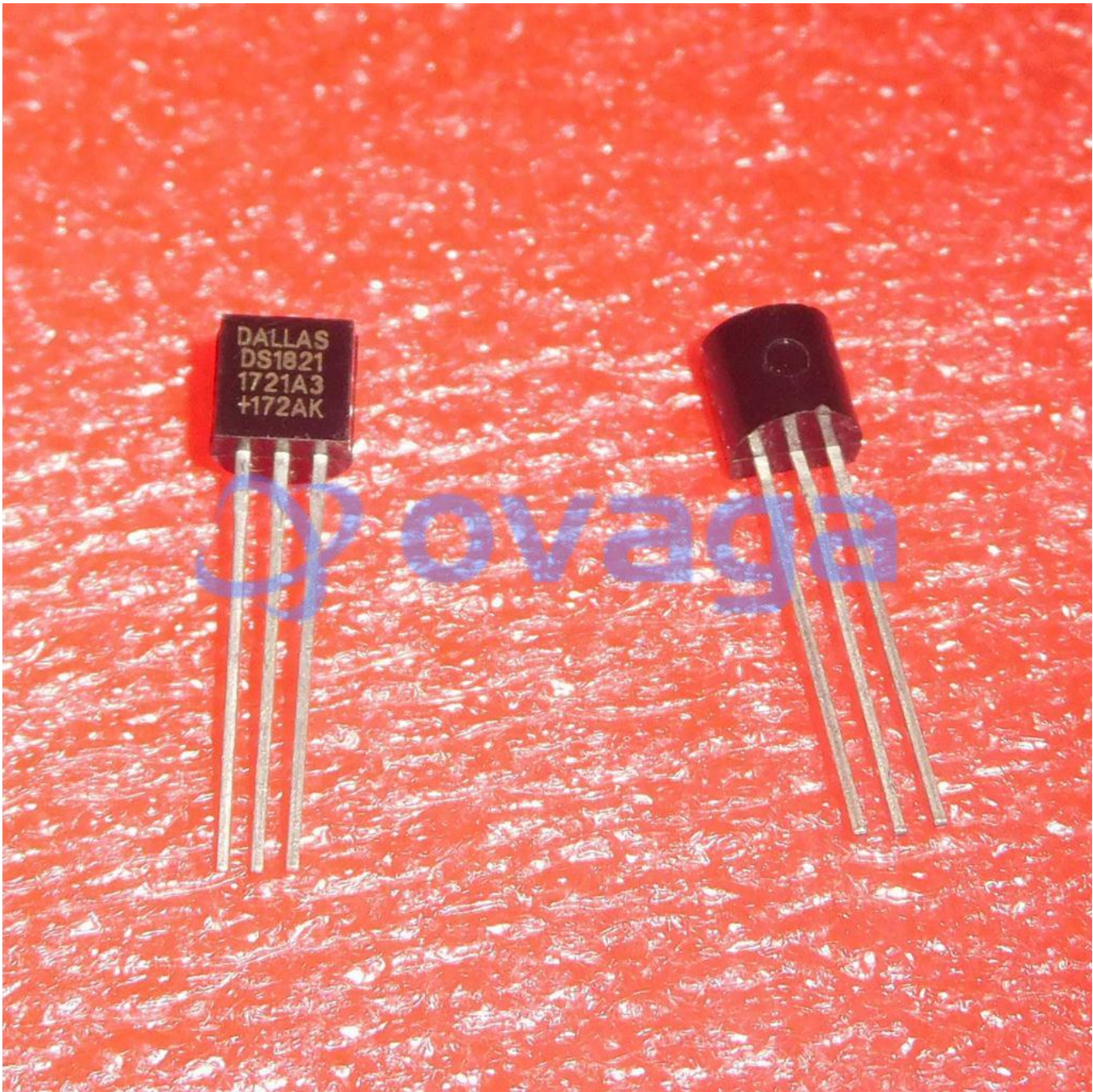
Temperature monitoring and control in HVAC systems

Temperature sensing and control in refrigerators and freezers

Temperature monitoring in industrial and laboratory equipment

Temperature logging in transportation and storage applications

Temperature sensing and control in medical devices



Related Products



[DS18B20U+](#)

Analog Devices, Inc
SOP8



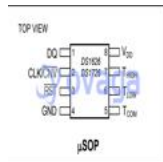
[DS1631Z+](#)

Analog Devices, Inc
SOIC-8



[DS600U](#)

Analog Devices, Inc
SOP-8



[DS1626U](#)

Analog Devices, Inc
MSOP-8



[DS18B20U](#)

Analog Devices, Inc
MSOP-8



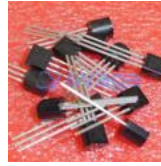
[DS1821](#)

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[DS18B20+](#)

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