

Programmable Resolution 1-Wire Digital Thermometer

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



Images are for reference only

Please submit RFQ for DS18B20+ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

DS18B20+ is a digital temperature sensor manufactured by Maxim Integrated. It is a programmable resolution 1-wire digital thermometer that can measure temperature from -55°C to +125°C with an accuracy of $\pm 0.5^\circ\text{C}$ in the range of -10°C to +85°C.

Features

- 1-wire interface for communication with microcontrollers
- Programmable resolution from 9 bits to 12 bits
- Temperature range of -55°C to +125°C
- Accuracy of $\pm 0.5^\circ\text{C}$ in the range of -10°C to +85°C
- Wide operating voltage range from 3.0V to 5.5V
- Low power consumption
- Ability to detect temperature changes as small as 0.0625°C

Application

- Temperature measurement and monitoring in industrial, automotive, and consumer applications
- Temperature sensing in medical devices
- Environmental monitoring
- HVAC systems
- Food storage and processing
- Weather stations
- Process control and automation



Related Products



[DS18B20+](#)

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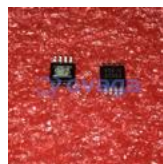
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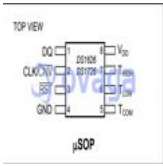
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