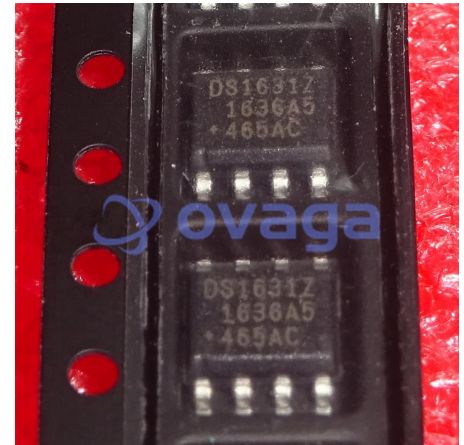


High-Precision Digital Thermometer and Thermostat, Board Mount Temperature Sensors IC
THERMOMETER DIG HI-PREC

Manufacturers	Analog Devices, Inc
Package/Case	SOIC-8
Product Type	Temperature Sensors
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for DS1631Z+ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

DS1631Z+ is a digital thermometer and thermostat IC manufactured by Maxim Integrated.

Features

It can measure temperatures in the range of -55°C to +125°C with an accuracy of ±0.5°C.

It has a 2-wire interface that is compatible with SMBus and I2C interfaces.

It has a 9- to 12-bit configurable resolution.

It has a programmable thermostat with a user-defined temperature set-point and hysteresis.

It has a nonvolatile (NV) memory for storing the temperature set-point and configuration information.

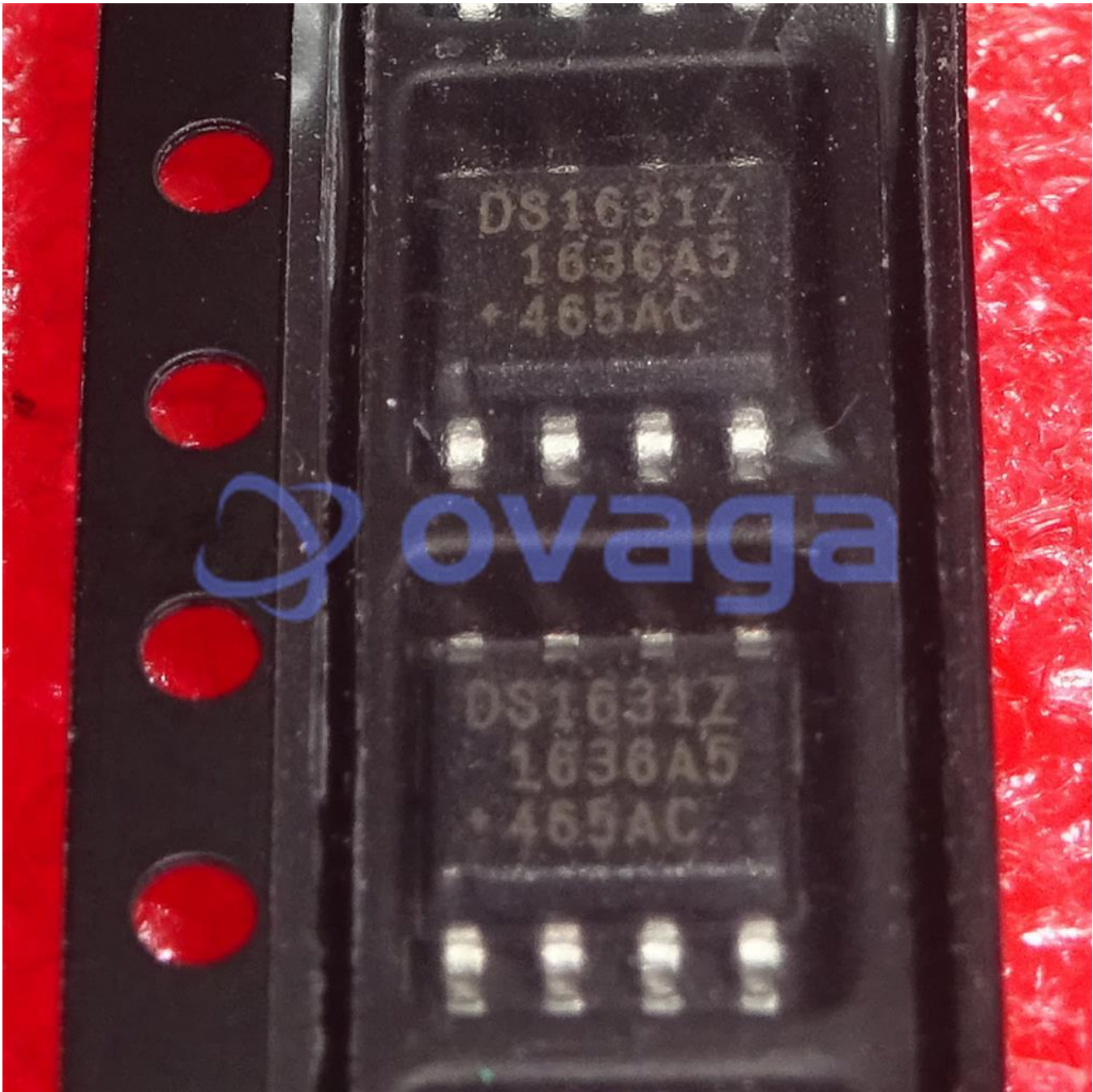
It operates with a single power supply voltage of 2.7V to 5.5V.

Application

Temperature monitoring and control in various industrial, automotive, and consumer applications.

HVAC systems, medical equipment, and white goods.

Environmental monitoring systems, power supply monitoring, and battery management systems.

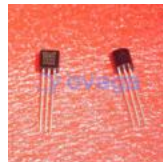


Related Products



[DS18B20U+](#)

Analog Devices, Inc
SOP8



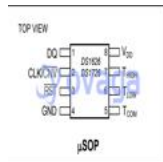
[DS1821C+](#)

Analog Devices, Inc
TO-92



[DS6000U](#)

Analog Devices, Inc
SOP-8



[DS1626U](#)

Analog Devices, Inc
MSOP-8



DS18B20U

Analog Devices, Inc
MSOP-8



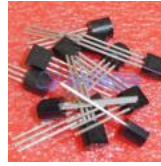
DS1821

Analog Devices, Inc
SOP-8



DS1721S+

Analog Devices, Inc
SOIC-8



DS18B20+

Analog Devices, Inc
TO-92