AD590JH

Data Sheet

Temperature Sensor IC, Current, ± 5°C, -55 °C, +150 °C, TO-52, 3 Pins

Images are for reference only

Manufacturers	Analog Devices, Inc
Package/Case	TO-52
Product Type	Temperature Sensors
RoHS	Pb-free Halide free
Lifecycle	

Please submit RFQ for AD590JH or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

AD590JH is a temperature sensor IC (integrated circuit) produced by Analog Devices. It is a two-terminal integrated circuit temperature sensor that produces an output current proportional to absolute temperature. The sensor is calibrated to provide an output current of 1µA/K, which means that the output current increases by 1 microampere for every 1 Kelvin increase in temperature.

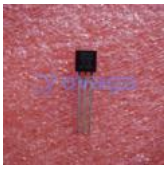
Features

- Linear output current proportional to absolute temperature
- Accuracy of ±0.5°C at room temperature
- Wide temperature range: -55°C to +150°C
- Low quiescent current: 1.5mA max
- High output impedance: 10kΩ min

Application

- Temperature sensing in industrial and automotive systems
- Temperature measurement in medical equipment
- Temperature monitoring in HVAC (heating, ventilation, and air conditioning) systems
- Temperature compensation in precision analog circuits

Related Products



[AD22100KTZ]

Analog Devices, Inc

TO-92

[AD22100STZ]

Analog Devices, Inc

TO-92

ADT6402SRJZ-RL7

Analog Devices, Inc

SOT23-6

ADT75BRMZ

Analog Devices, Inc

MSOP-8

ADT7320UCPZ-R2

Analog Devices, Inc

LFCSP-16

AD22100SRZ

Analog Devices, Inc

SOIC-8

AD7314ARMZ

Analog Devices, Inc

MSOP-8

AD590MH

Analog Devices, Inc

TO-52-3