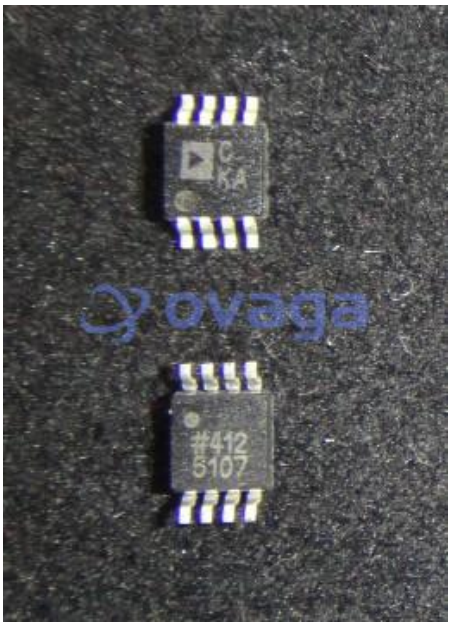
AD7314ARMZ

Data Sheet

Temperature Sensor IC, Digital, ± 2°C, -35 °C, +85 °C, MSOP, 8 Pins

Manufacturers	Analog Devices, Inc
Package/Case	MSOP-8
Product Type	PMIC - Thermal Management
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD7314ARMZ or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The AD7314 is a complete temperature monitoring system in an 8-pin µSOIC package. It contains a bandgap temperature sensor and 10-bit ADC to monitor and digitize the temperature reading to a resolution of 0.25ºC.

The AD7314 has a flexible serial interface that allows easy interfacing to most microcontrollers. The interface is compatible with SPI, QSPI and MICRO-WIRE protocol and is also compatible with DSPs. It is pin compatible with the Dallas DS1722 part.

The part features a standby mode, which is controlled via the serial interface. The AD7314 has a supply voltage range of +2.65 V to +2.9 V. Having a very low supply current and SPI compatible interface, the AD7314 is ideal for a variety of applications, including personal computers, office equipment and domestic appliances.

Features

10-Bit Temperature-to-Digital Converter

SPI- and DSP-Compatible Serial Interface

Shutdown Mode

Space-Saving µSOIC Package

Application

Hard Disk Drives

Personal Computers

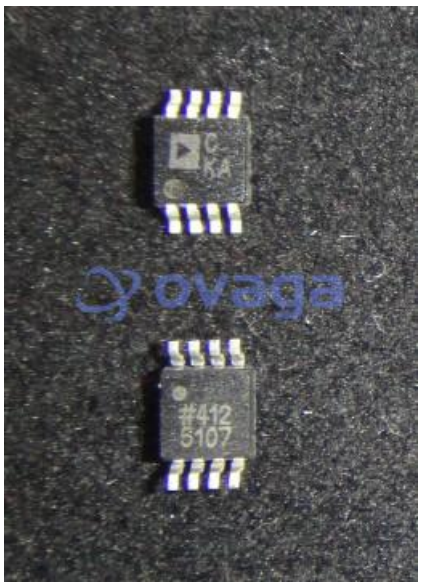
Electronic Test Equipment

Office Equipment

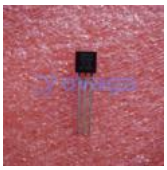
Domestic Appliances

Process Control

Mobile Phones



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

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AD590MH

Analog Devices, Inc

TO-52-3

AD592AN

Analog Devices, Inc

TO-92