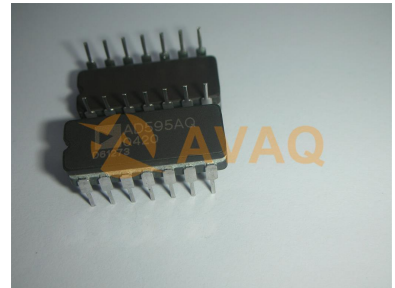


## Monolithic Thermocouple Amplifiers with Cold Junction Compensation



Images are for reference only

[Inquiry](#)

**Manufacturer:** [Analog Devices, Inc](#)

**Package/Case:** CDIP14

**Product Type:** Drivers

**Lifecycle:** NRND

### General Description

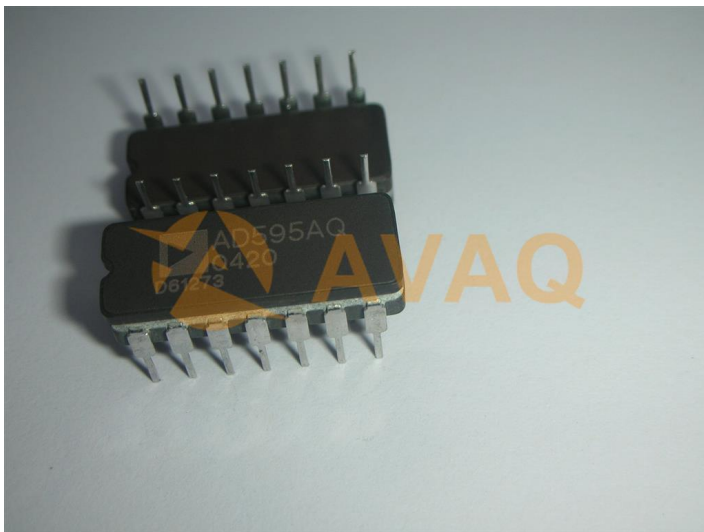
AD595AQ is a precision thermocouple amplifier integrated circuit (IC) manufactured by Analog Devices Inc. It is designed to amplify and linearize the output of any type of thermocouple, providing a highly accurate temperature measurement system.

### Key Features

- Amplifies and linearizes any type of thermocouple output
- Operates from a single 5 V power supply
- Wide temperature measurement range (-270°C to +1372°C)
- High accuracy with low offset and low drift
- Built-in cold junction compensation
- Low output noise

### Application

- AD595AQ/883B
- AD595CQ
- AD595-01A
- AD595CQ/883B
- AD595AQ/883



### Recommended For You

**ADT7301ARTZ-REEL7**

Analog Devices, Inc  
SOT23-6

**AD597AH**

Analog Devices, Inc  
CAN

**AD7416ARMZ**

Analog Devices, Inc  
MSOP8

**AD7416ARZ**

Analog Devices, Inc  
SOP8

**AD594AD**

Analog Devices, Inc  
DIP

**AD597ARZ**

Analog Devices, Inc  
SOP8

**AD8497ARMZ**

Analog Devices, Inc  
MSOP8

**AD7417ARZ**

Analog Devices, Inc  
SOP16

**AD7417BRZ**

Analog Devices, Inc  
SOP16

**AD7417ARUZ**

Analog Devices, Inc  
TSSOP16

**ADT7301ARMZ**

Analog Devices, Inc  
MSOP8

**AD7418ARMZ**

Analog Devices, Inc  
MSOP8

**ADT7302ARMZ**

Analog Devices, Inc  
MSOP8

**ADT7302ARTZ-REEL7**

Analog Devices, Inc  
SOT23-6

**ADT7301ARTZ-500RL7**

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SOT-23-6