

Monolithic Thermocouple Amplifier with Cold Junction Compensation Pretrimmed for Type K Thermocouples; Package: Bottom-Brazed CerDIP; No of Pins: 14; Temperature Range: Industrial



Images are for reference only

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	CDIP-14
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	

Please submit RFQ for AD595ADZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

AD595ADZ is an analog temperature sensor manufactured by Analog Devices Inc. It is a complete instrumentation amplifier and thermocouple cold junction compensator on a monolithic chip. AD595ADZ is designed to measure temperature using Type K thermocouples, which are widely used in industrial, scientific, and consumer applications.

## Features

- High accuracy:** AD595ADZ provides accurate temperature measurements over a wide temperature range (-55°C to +125°C).
- Low drift:** It has low output drift over time and temperature, ensuring stable and reliable measurements.
- Integrated cold junction compensation:** AD595ADZ has an integrated cold junction compensation circuit that allows for accurate measurements of the temperature at the hot junction of the thermocouple.
- Low power consumption:** AD595ADZ consumes low power, making it suitable for battery-powered applications.
- Robust design:** AD595ADZ has a rugged design that can withstand harsh environments.

## Application

- Industrial temperature measurement and control systems
- Automotive engine management systems
- HVAC systems
- Food industry temperature monitoring
- Medical equipment temperature monitoring
- Consumer appliances



## Related Products



### [ADP3336ARMZ-REEL7](#)

Analog Devices, Inc  
MSOP-8



### [ADP3367ARZ](#)

Analog Devices, Inc  
SOIC-8



### [ADP3330ARTZ3.3-RL7](#)

Analog Devices, Inc  
SOT-23-6



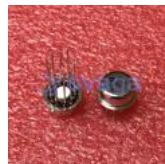
### [ADR421ARZ](#)

Analog Devices, Inc  
SOP-8



### [AD737JRZ](#)

Analog Devices, Inc  
SOP-8



### [AD636JH](#)

Analog Devices, Inc  
TO-100-10



### [ADR434BRZ](#)

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### [ADR3412ARJZ-R7](#)

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