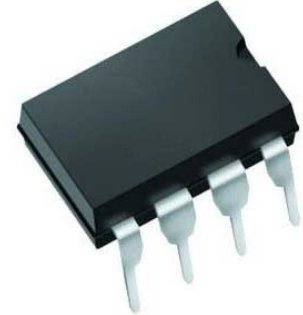


Operational Amplifier, Precision, 2 Amplifier, 900 kHz, 0.3 V/ μ s, $\pm 3V$ to $\pm 18V$, DIP, 8 Pins

| | |
|---------------|-------------------------------------|
| Manufacturers | Analog Devices, Inc |
| Package/Case | DIP-8 |
| Product Type | Amplifier ICs |
| RoHS | |
| Lifecycle | |



Images are for reference only

Please submit RFQ for AD708AQ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD708 is a high precision, dual monolithic operational amplifier. Each amplifier individually offers excellent dc precision with maximum offset voltage and offset voltage drift of any dual bipolar op amp.

The matching specifications are among the best available in any dual op amp. In addition, the AD708 provides 5 V/ μ V minimum open-loop gain and guaranteed maximum input voltage noise of 350 nV p-p (0.1 Hz to 10 Hz). All dc specifications show excellent stability over temperature, with offset voltage drift typically 0.1 μ V/ $^{\circ}$ C and input bias current drift of 25 pA/ $^{\circ}$ C maximum.

The AD708 is available in four performance grades. The AD708J is rated over the commercial temperature range of 0 $^{\circ}$ C to 70 $^{\circ}$ C and is available in a narrow body, PDIP. The AD708A and AD708B are rated over the industrial temperature range of -40 $^{\circ}$ C to +85 $^{\circ}$ C and are available in a CERDIP.

The AD708S is rated over the military temperature range of -55 $^{\circ}$ C to +125 $^{\circ}$ C and is available in a CERDIP military version processed to MIL-STD-883B.

Product Highlights

The combination of outstanding matching and individual specifications make the AD708 ideal for constructing high gain, precision instrumentation amplifiers.

The low offset voltage drift and low noise of the AD708 allow the designer to amplify very small signals without sacrificing overall system performance.

The AD708 10 V/ μ V typical open-loop gain and 140 dB common-mode rejection make it ideal for precision applications.

Features

Very high dc precision

30 μV maximum offset voltage

0.3 $\mu\text{V}/^\circ\text{C}$ maximum offset voltage drift

0.35 μV p-p maximum voltage noise (0.1 Hz to 10 Hz)

5 million V/V minimum open-loop gain

130 dB minimum CMRR

120 dB minimum PSRR

Matching characteristics

30 μV maximum offset voltage match

0.3 $\mu\text{V}/^\circ\text{C}$ maximum offset voltage drift match

130 dB minimum CMRR match

Available in 8-lead narrow body, PDIP, and hermetic CERDIP and CERDIP/883B packages

Related Products



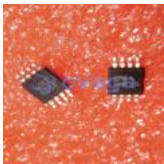
[AD8418BRMZ-RL](#)

Analog Devices, Inc
MSOP-8



[ADA4528-2ARMZ-R7](#)

Analog Devices, Inc
MSOP-8



[ADA4084-2ARMZ](#)

Analog Devices, Inc
MSOP-8



[AD8062ARMZ](#)

Analog Devices, Inc
MSOP8



[AD8567ARUZ](#)

Analog Devices, Inc
TSSOP-14



[AD8628AUJZ](#)

Analog Devices, Inc
SOP23



[AD8022ARMZ](#)

Analog Devices, Inc
MSOP-8



[AD8041AR](#)

Analog Devices, Inc
SOP-8