

Op Amp Single Low Noise Amplifier R-R O/P ± 18 V/36V 8-Pin SOIC Tube

Manufacturer: <u>Texas Instruments, Inc</u>

Package/Case: SOP

Product Type: Amplifier ICs

RoHS: RoHS Compliant/Lead free

Lifecycle: Active



General Description

The OPA209 series of precision operational amplifiers achieve very low voltage noise density (2.2 nV/ $\sqrt{\text{Hz}}$) with a supply current of only 2.5 mA (maximum). This series also offers rail-to-rail output swing, which helps to maximize dynamic range.

In precision data acquisition applications, the OPA209 provides fast settling time to 16-bit accuracy, even for 10-V output swings. This excellent ac performance, combined with only 150 μ V (maximum) of offset and low drift over temperature, makes the OPA209 very suitable for fast, high-precision applications.

The OPA209 is specified over a wide dual power-supply range of ±2.25 V to ±18 V, or single-supply operation from 4.5 V to 36 V.

The OPA209 is available in the 5-pin SOT-23, 8-pin VSSOP, and the standard 8-pin SOIC packages. The dual OPA2209 comes in both 8-pin VSSOP and 8-pin SOIC packages. The quad OPA4209 is available in the 14-pin TSSOP package.

The OPA209 series is specified from -40°C to 125°C.

Key Features

Low Voltage Noise: $2.2 \text{ nV/}\sqrt{\text{Hz}}$) with a supply current of only 2.5 mA (maximum). This series also offers rail-to-rail output swing, which helps to maximize dynamic range.

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Recommended For You

OPA445BM

Texas Instruments, Inc

CAN

OPA1611AIDR

Texas Instruments, Inc

SOP8

OPA388QDBVRQ1

Texas Instruments, Inc

SOT23-5

OPA2365AQDRQ1

Texas Instruments, Inc

SOP8

OPA334AIDBVR

Texas Instruments, Inc

SOT23-6

OPA2835IDGSR

Texas Instruments, Inc

MSOP10

OPA656U

Texas Instruments, Inc

SOP8

OPA360AIDCKR

Texas Instruments, Inc

SC70-6

LM111H/NOPB

Texas Instruments, Inc

CAN8

OPA353UA

Texas Instruments, Inc

SOP8

LM13700MX/NOPB

Texas Instruments, Inc

SOP16

OPA633KP

Texas Instruments, Inc

DIP8

OPA453FAKTWT

Texas Instruments, Inc

TO263-7

OPA4251UA

Texas Instruments, Inc

SOP14

LMV321M5X/NOPB

Texas Instruments, Inc

Email: sales@avaq.com

SOT23-5