

Op Amp Dual Low Offset Voltage Amplifier R-R O/P 5.5V 8-Pin SOIC Tube

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

Package/Case: SOP8

Product Type: Amplifier ICs

RoHS: RoHS Compliant/Lead free

Lifecycle: Active



Images are for reference only

Inquiry

General Description

OPA336 series microPower CMOS operational amplifiers are designed for battery-powered applications. They operate on a single supply with operation as low as 2.1V. The output is rail-to-rail and swings to within 3mV of the supplies with a 100k load. The common-mode range extends to the negative supply—ideal for single-supply applications. Single, dual, and quad versions have identical specifications for maximum design flexibility.

In addition to small size and low quiescent current (20μ A/amplifier), they feature low offset voltage (125μ V max), low input bias current (1pA), and high open-loop gain (115dB). Dual and quad designs feature completely independent circuitry for lowest crosstalk and freedom from interaction.

OPA336 packages are the tiny SOT23-5 surface mount and SO-8 surface-mount. OPA2336 comes in the miniature MSOP-8 surface-mount, SO-8 surface-mount, and DIP-8 packages. The OPA4336 packages is the space-saving SSOP-16 surface-mount.

All are specified from -40°C to +85°C and operate from -55°C to +125°C. A macromodel is available for download (at www.ti.com) for design analysis.

Key Features

SINGLE-SUPPLY OPERATION

RAIL-TO-RAIL OUTPUT (within 3mV)

microPOWER: $IQ = 20\mu A/Amplifier$

micro SIZE PACKAGES

LOW OFFSET VOLTAGE: 125µV max

SPECIFIED FROM VS = 2.3V to 5.5V

SINGLE, DUAL, AND QUAD VERSIONS

APPLICATIONS

BATTERY-POWERED INSTRUMENTS

PORTABLE DEVICES

HIGH-IMPEDANCE APPLICATIONS

PHOTODIODE PRE-AMPS

PRECISION INTEGRATORS

MEDICAL INSTRUMENTS

TEST EQUIPMENT

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Recommended For You

OPA445BM OPA1611AIDR OPA388QDBVRQ1

Texas Instruments, Inc Texas Instruments, Inc Texas Instruments, Inc

CAN SOP8 SOT23-5

OPA2365AQDRQ1 OPA334AIDBVR OPA2835IDGSR

Texas Instruments, Inc Texas Instruments, Inc Texas Instruments, Inc

SOP8 SOT23-6 MSOP10

OPA656U

Texas Instruments, Inc

SOP8

OPA360AIDCKR

Texas Instruments, Inc

SC70-6

LM111H/NOPB

Texas Instruments, Inc

CAN8

OPA353UA

Texas Instruments, Inc

SOP8

Texas Instruments, Inc

LM13700MX/NOPB

SOP16

OPA633KP

Texas Instruments, Inc

DIP8

OPA453FAKTWT

Texas Instruments, Inc

TO263-7

OPA4251UA

Texas Instruments, Inc

SOP14

LMV321M5X/NOPB

Texas Instruments, Inc

SOT23-5