
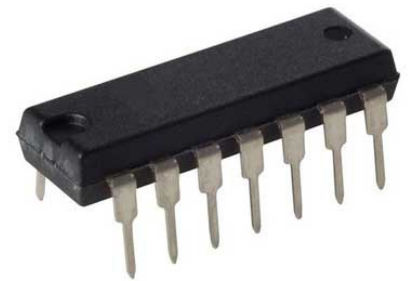


Op Amp Quad Precision Amplifier $\pm 18V$ 14-Pin PDIP Tube

Manufacturer:	Texas Instruments, Inc
Package/Case:	DIP14
Product Type:	Amplifier ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The OPAX22x series operational amplifiers combine low noise and wide bandwidth with high precision to make them the ideal choice for applications requiring both AC and precision DC performance.

The OPAX227 is unity-gain stable and features high slew rate (2.3V/ μ s) and wide bandwidth (8MHz). The OPAX228 is optimized for closed-loop gains of 5 or greater, and offers higher speed with a slew rate of 10V/ μ s and a bandwidth of 33MHz.

The OPAX227 and OPAX228 series operational amplifiers are ideal for professional audio equipment. In addition, low quiescent current and low cost make them ideal for portable applications requiring high precision.

The OPAX227 and OPAX228 series operational amplifiers are pin-for-pin replacements for the industry standard OP-27 and OP-37 with substantial improvements across the board. The dual and quad versions are available for space savings and per channel cost reduction.

The OPAX227, OPAX228, are available in DIP-8 and SO-8 packages. The OPA4227 and OPA4228 are available in DIP-14 and SO-14 packages with standard pin configurations. Operation is specified from $-40^{\circ}C$ to $85^{\circ}C$.

Key Features

Low Noise: $3\text{nV}/\sqrt{\text{Hz}}$

Wide Bandwidth:

OPA227: 8 MHz, $2.3\text{ V}/\mu\text{s}$

OPA228: 33 MHz, $10\text{ V}/\mu\text{s}$

Settling Time: $5\ \mu\text{s}$ (Significant Improvement Over OP-27)

High CMRR: 138 dB

High Open-loop Gain: 160 dB

Low Input Bias Current: 10 nA Maximum

Low Offset Voltage: $75\ \mu\text{V}$ Maximum

Wide Supply Range: $\pm 2.5\text{ V}$ to $\pm 18\text{ V}$

OPA227 Replaces OP-27, LT1007, MAX427

OPA228 Replaces OP-37, LT1037, MAX437

Single, Dual, and Quad Versions

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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

LMI11H/NOPB

Texas Instruments, Inc

CAN8

OPA353UA

Texas Instruments, Inc

SOP8

LMI3700MX/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

SOT23-5