

**Op Amp Quad High Gain Amplifier $\pm 16V/32V$ 14-Pin SOIC
Tube**

Images are for reference only

[Inquiry](#)

Manufacturer: [Texas Instruments, Inc](#)

Package/Case: SOP-14

Product Type: Amplifier ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

These devices consist of four independent high-gain frequency-compensated operational amplifiers that are designed specifically to operate from a single supply or split supply over a wide range of voltages.

Key Features

2-kV ESD Protection for:
LM224K, LM224KA

LM324K, LM324KA

LM2902K, LM2902KV, LM2902KAV

Wide Supply Ranges

Single Supply: 3 V to 32 V (26 V for LM2902)

Dual Supplies: ± 1.5 V to ± 16 V (± 13 V for LM2902)

Low Supply-Current Drain Independent of Supply Voltage: 0.8 mA Typical

Common-Mode Input Voltage Range Includes Ground, Allowing Direct Sensing Near Ground

Low Input Bias and Offset Parameters

Input Offset Voltage: 3 mV Typical A Versions: 2 mV Typical

Input Offset Current: 2 nA Typical

Input Bias Current: 20 nA Typical A Versions: 15 nA Typical

Differential Input Voltage Range Equal to Maximum-Rated Supply Voltage: 32 V (26 V for LM2902)

Open-Loop Differential Voltage Amplification: 100 V/mV Typical

Internal Frequency Compensation

On Products Compliant to MIL-PRF-38535, All Parameters are Tested Unless Otherwise Noted. On All Other Products, Production Processing Does Not Necessarily Include Testing of All Parameters.

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Recommended For You

LM311MX

Texas Instruments, Inc
SOP8

LMV7219M5

Texas Instruments, Inc
SOT23-5

LM348D

Texas Instruments, Inc
SOP-14

LM224N

Texas Instruments, Inc
DIP14

LM239J

Texas Instruments, Inc
CDIP14

LMV331M5

Texas Instruments, Inc
SOT23-5

LM393ADR

Texas Instruments, Inc
SOP8

LM293DR

Texas Instruments, Inc
SOP8

LM293D

Texas Instruments, Inc
SOP8

LMV824MIX

Texas Instruments, Inc
TSSOP

LMV358M

Texas Instruments, Inc
SOP8

LMV321M5

Texas Instruments, Inc
SOT23-5

LM741H

Texas Instruments, Inc
CAN8

LM193AH

Texas Instruments, Inc
CAN8

LM111H/NOPB

Texas Instruments, Inc
CAN8