

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



Images are for reference only

[Inquiry](#)

Manufacturer: [Texas Instruments, Inc](#)

Package/Case: SOP8

Product Type: Amplifier ICs

Lifecycle: NRND

General Description

The LMV358-N and LMV324-N are low-voltage (2.7 V to 5.5 V) versions of the dual and quad commodity op amps LM358 and LM324 (5 V to 30 V). The LMV321-N is the single channel version. The LMV321-N, LMV358-N, and LMV324-N are the most cost-effective solutions for applications where low-voltage operation, space efficiency, and low price are important. They offer specifications that meet or exceed the familiar LM358 and LM324. The LMV321-N, LMV358-N, and LMV324-N have rail-to-rail output swing capability and the input common-mode voltage range includes ground. They all exhibit excellent speed to power ratio, achieving 1 MHz of bandwidth and 1-V/ μ s slew rate with low supply current.

The LMV321-N is available in the space saving 5-Pin SC70, which is approximately half the size of the 5-Pin SOT23. The small package saves space on PC boards and enables the design of small portable electronic devices. It also allows the designer to place the device closer to the signal source to reduce noise pickup and increase signal integrity.

The chips are built with Texas Instruments's advanced submicron silicon-gate BiCMOS process. The LMV321-N/LMV358-N/LMV324-N have bipolar input and output stages for improved noise performance and higher output current drive.

Key Features

For V

LMV321-N, LMV358-N, and LMV324-N are available in automotive AEC-Q100 grade 1 and grade 3 versions

Ensured 2.7-V and 5-V performance

No crossover distortion

Industrial temperature range 40°C to +125°C

Gain-bandwidth product 1 MHz

Low supply current

LMV321-N 130 μ A

LMV358-N 210 μ A

LMV324-N 410 μ A

Rail-to-rail output swing at 10 k V

V

CM

Recommended For You

LMB11MX

Texas Instruments, Inc

SOP8

LMV7219M5

Texas Instruments, Inc

SOT23-5

LMB48D

Texas Instruments, Inc

SOP-14

LM224N

Texas Instruments, Inc

DIP14

LM239J

Texas Instruments, Inc

CDIP14

LMV331M5

Texas Instruments, Inc

SOT23-5

LMB93ADR

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

LMI93AH

Texas Instruments, Inc

CAN8

LMI11H/NOPB

Texas Instruments, Inc

CAN8