

Op Amp Dual Low Power Amplifier 30V Automotive 8-Pin SO N T/R



Images are for reference only

[Inquiry](#)

Manufacturer: [STMicroelectronics, Inc](#)

Package/Case: SOP8

Product Type: Amplifier ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

This circuit consists of two independent, high gain operational amplifiers (op amps) that have frequency compensation implemented internally. They are designed specifically for automotive and industrial control systems. The circuit operates from a single power supply over a wide range of voltages. The low power supply drain is independent of the magnitude of the power supply voltage.

Application areas include transducer amplifiers, DC gain blocks and all the conventional op amp circuits which can now be more easily implemented in single power supply systems. For example, these circuits can be directly supplied from the standard 5 V which is used in logic systems and easily provides the required electronic interfaces without requiring any additional power supply.

In linear mode, the input common-mode voltage range includes ground and the output voltage can also swing to ground, even though operated from a single power supply.

Key Features

Frequency compensation implemented internally

Large DC voltage gain: 100 dB

Wide bandwidth (unity gain): 1.1 MHz (temperature compensated)

Very low supply current/amplifier, essentially independent of supply voltage

Low input bias current: 20 nA (temperature compensated)

Low input offset current: 2 nA

Input common-mode voltage range includes negative rail

Differential input voltage range equal to the power supply voltage

Large output voltage swing 0 V to [V

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Recommended For You

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SOP14

LM393D

STMicroelectronics, Inc
SOP8

LM239D

STMicroelectronics, Inc
SOP

LM158DT

STMicroelectronics, Inc
SOP8

LM2902D

STMicroelectronics, Inc
SOP14

LM2903D

STMicroelectronics, Inc
SOP8

LM239PT

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LM339DT

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