

## Op Amp Single Low Power Amplifier R-R O/P 5.5V 5-Pin SC-70 T/R



Images are for reference only

**Manufacturer:** [Texas Instruments, Inc](#)

**Package/Case:** SC70-5

**Product Type:** Amplifier ICs

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

[Inquiry](#)

### General Description

TI's LMV861 and LMV862 are CMOS input, low power op amp IC's, providing a low input bias current, a wide temperature range of 40°C to +125°C and exceptional performance making them robust general purpose parts. Additionally, the LMV861 and LMV862 are EMI hardened to minimize any interference so they are ideal for EMI sensitive applications.

The unity gain stable LMV861 and LMV862 feature 30 MHz of bandwidth while consuming only 2.25 mA of current per channel. These parts also maintain stability for capacitive loads as large as 200 pF. The LMV861 and LMV862 provide superior performance and economy in terms of power and space usage. This family of parts has a maximum input offset voltage of 1 mV, a rail-to-rail output stage and an input common-mode voltage range that includes ground. Over an operating range from 2.7V to 5.5V the LMV861 and LMV862 provide a PSRR of 93 dB, and a CMRR of 93 dB. The LMV861 is offered in the space saving 5-Pin SC70 package, and the LMV862 in the 8-Pin VSSOP.

## Key Features

Supply Voltage 2.7V to 5.5V

Supply Current (per Channel) 2.25 mA

Input Offset Voltage 1 mV Max

Input Bias Current 0.1 pA

GBW 30 MHz

EMIRR at 1.8 GHz 105 dB

Input Noise Voltage at 1 kHz  $8 \text{ nV}/\sqrt{\text{Hz}}$

Slew Rate 18 V/ $\mu\text{s}$

Output Voltage Swing Rail-to-Rail

Output Current Drive 67 mA

Operating Ambient Temperature Range  $-40^{\circ}\text{C}$  to  $125^{\circ}\text{C}$

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## Recommended For You

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### 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

**LMV824MEX**

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