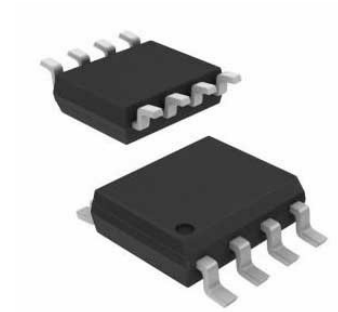


## Comparator Dual 5.25V Automotive 8-Pin SOIC Tube

<b>Manufacturer:</b>	<a href="#">Texas Instruments, Inc</a>
<b>Package/Case:</b>	SOP-8
<b>Product Type:</b>	Linear Displacement Sensors
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

## General Description

The LMV76x devices are precision comparators intended for applications requiring low noise and low input offset voltage. The LMV761 single has a shutdown pin that can be used to disable the device and reduce the supply current. The LMV761 is available in a space-saving 6-pin SOT-23 or 8-Pin SOIC package. The LMV762 dual is available in 8-pin SOIC or VSSOP package. The LMV762Q-Q1 is available VSSOP and SOIC packages.

These devices feature a CMOS input and push-pull output stage. The push-pull output stage eliminates the need for an external pullup resistor.

The LMV76x are designed to meet the demands of small size, low power and high performance required by portable and battery-operated electronics.

The input offset voltage has a typical value of 200  $\mu$ V at room temperature and a 1-mV limit over temperature.

## Key Features

$V_S = 5\text{ V}$ ,  $T_A = 25^\circ\text{C}$ , Typical Values Unless Specified

Input Offset Voltage 0.2 mV

Input Offset Voltage (Maximum Over Temp) 1 mV

Input Bias Current 0.2 pA

Propagation Delay (OD = 50 mV) 120 ns

Low Supply Current 300  $\mu\text{A}$

CMRR 100 dB

PSRR 110 dB

Extended Temperature Range  $40^\circ\text{C}$  to  $+125^\circ\text{C}$

Push-Pull Output

Ideal for 2.7-V and 5-V Single-Supply Applications

Available in Space-Saving Packages:  
6-Pin SOT-23 (Single With Shutdown)

8-Pin SOIC (Single With Shutdown)

8-Pin SOIC and VSSOP (Dual Without Shutdown)

LMV762Q-Q1 is Qualified for Automotive Applications

AEC-Q100 Qualified With the Following Results:  
Device Temperature Grade 1:  $-40^\circ\text{C}$  to  $+125^\circ\text{C}$   
Ambient Operating Temperature Range

Device HBM ESD Classification Level 1C

Device CDM ESD Classification Level M2

## Recommended For You

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### 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