
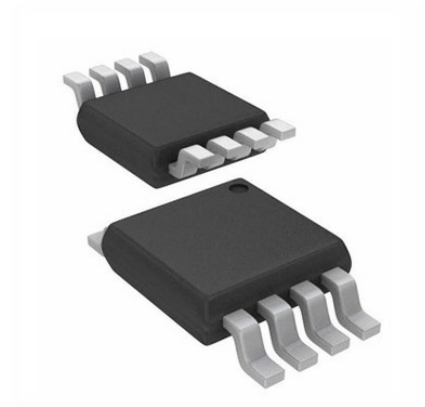


Comparator Dual 5.25V Automotive 8-Pin VSSOP T/R

| | |
|----------------------|--|
| Manufacturer: | Texas Instruments, Inc |
| Package/Case: | VSSOP8 |
| Product Type: | Linear Displacement Sensors |
| RoHS: | RoHS Compliant/Lead free  |
| Lifecycle: | 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 μ 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 μA

CMRR 100 dB

PSRR 110 dB

Extended Temperature Range 40°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°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

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