
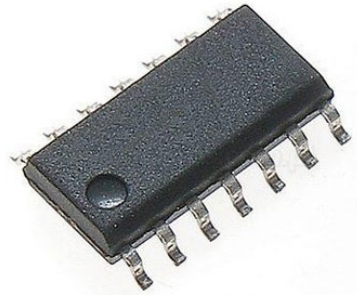


Comparator Quad R-R O/P $\pm 15V/30V$ 14-Pin SOIC T/R

Manufacturer:	Texas Instruments, Inc
Package/Case:	SOP14
Product Type:	Linear Displacement Sensors
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The LMx39x and the LM2901x devices consist of four independent voltage comparators that are designed to operate from a single power supply over a wide range of voltages. Operation from dual supplies also is possible, as long as the difference between the two supplies is 2 V to 36 V, and VCC is at least 1.5 V more positive than the input common-mode voltage. Current drain is independent of the supply voltage. The outputs can be connected to other open-collector outputs to achieve wired-AND relationships.

The LM139 and LM139A devices are characterized for operation over the full military temperature range of -55°C to $+125^{\circ}\text{C}$. The LM239 and LM239A devices are characterized for operation from -25°C to $+85^{\circ}\text{C}$. The LM339 and LM339A devices are characterized for operation from 0°C to 70°C . The LM2901, LM2901AV, and LM2901V devices are characterized for operation from -40°C to $+125^{\circ}\text{C}$.

Key Features

Wide Supply Ranges

Single Supply: 2 V to 36 V (Tested to 30 V for Non-V Devices and 32V for V-Suffix Devices)

Dual Supplies: ± 1 V to ± 18 V (Tested to ± 15 V for Non-V Devices and ± 16 V for V-Suffix Devices)

Low Supply-Current Drain Independent of Supply Voltage: 0.8 mA (Typical)

Low Input Bias Current: 25 nA (Typical)

Low Input Offset Current: 3 nA (Typical) (LM139)

Low Input Offset Voltage: 2 mV (Typical)

Common-Mode Input Voltage Range Includes Ground

Differential Input Voltage Range Equal to Maximum-Rated Supply Voltage: ± 36 V

Low Output Saturation Voltage

Output Compatible With TTL, MOS, and CMOS

On Products Compliant to MIL-PRF-38535, All Parameters Are Tested Unless Otherwise Noted. On All Other Products, Production Processing Does Not Necessarily Include Testing of All Parameters.

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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