
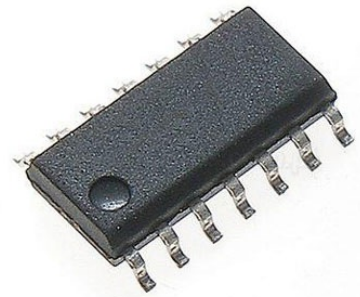


## Comparator Quad R-R O/P $\pm 15V/30V$ 14-Pin SOIC Tube

<b>Manufacturer:</b>	<a href="#">Texas Instruments, Inc</a>
<b>Package/Case:</b>	SOP14
<b>Product Type:</b>	Linear Displacement Sensors
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### General Description

The LP239, LP339, LP2901 are low-power quadruple differential comparators. Each device consists of four independent voltage comparators designed specifically to operate from a single power supply and typically to draw 60- $\mu$ A drain current over a wide range of voltages. Operation from split power supplies is also possible and the ultralow power supply drain current is independent of the power supply voltage.

Applications include limit comparators, simple analog-to-digital converters, pulse generators, squarewave generators, time delay generators, voltage controlled oscillators, multivibrators, and high-voltage logic gates. The LP239, LP339, LP2901 were specifically designed to interface with the CMOS logic family. The ultra-low power-supply current makes these products desirable in battery-powered applications.

The LP239 is characterized for operation from  $-25^{\circ}\text{C}$  to  $85^{\circ}\text{C}$ . The LP339 is characterized for operation from  $0^{\circ}\text{C}$  to  $70^{\circ}\text{C}$ . The LP2901 is characterized for operation from  $-40^{\circ}\text{C}$  to  $85^{\circ}\text{C}$ .

### Key Features

Wide Supply-Voltage Range . . . 3V to 30 V

Ultralow Power Supply Current Drain . . . 60  $\mu$ A Typ

Low Input Biasing Current . . . 3 nA

Low Input Offset Current . . .  $\pm 0.5$  nA

Low Input Offset Voltage . . .  $\pm 2$  mV

Common-Mode Input Voltage Includes Ground

Output Voltage Compatible With MOS and CMOS Logic

High Output Sink-Current Capability (30 mA at  $V_O = 2V$ )

PowerSupply Input Reverse-Voltage Protected

Single-Power-Supply Operation

Pin-for-Pin Compatible With LM239, LM339, LM2901

~~The LP239 is obsolete and is no longer supplied.~~

## Recommended For You

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### LPV521MGE/NOPB

Texas Instruments, Inc  
SC70-5

### LP324N

Texas Instruments, Inc  
DIP

### LP311D

Texas Instruments, Inc  
SOP8

### LP339N

Texas Instruments, Inc  
DIP14

### LP311P

Texas Instruments, Inc  
DIP-8

### LP311DR

Texas Instruments, Inc  
SOP-8

### LP339M/NOPB

Texas Instruments, Inc  
SOP14

### LPV324M/NOPB

Texas Instruments, Inc  
SOP

### LPV511MG/NOPB

Texas Instruments, Inc  
SC705

### LP211DR

Texas Instruments, Inc  
SOP-8

### LP324M/NOPB

Texas Instruments, Inc  
SOP

### LP339N/NOPB

Texas Instruments, Inc  
PDIP-14

### LP2901IDRQ1

Texas Instruments, Inc  
SOP14

### LP2901IDRG4Q1

Texas Instruments, Inc  
SOP14

### LPV358MM/NOPB

Texas Instruments, Inc  
VSSOP-8