
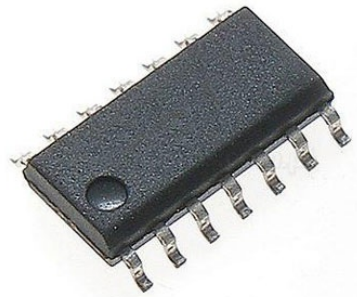


Comparator Quad $\pm 16\text{V}/32\text{V}$ 14-Pin SOIC T/R

Manufacturer:	STMicroelectronics, 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

Dual Supplies: $\pm 1\text{ V}$ to $\pm 18\text{ V}$

Low Supply-Current Drain Independent of

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

Differential Input Voltage Range Equal to Maximum-Rated Supply Voltage: $\pm 36\text{ V}$

Low Output Saturation Voltage

Output Compatible With TTL, MOS, and CMOS

On Products Compliant to MIL-PRF-38535,

Recommended For You

LM339D

STMicroelectronics, Inc

SOP14

LM393D

STMicroelectronics, Inc

SOP8

LM239D

STMicroelectronics, Inc

SOP

LMI58DT

STMicroelectronics, Inc

SOP8

LM2902D

STMicroelectronics, Inc

SOP14

LM2903D

STMicroelectronics, Inc

SOP8

LM239PT

STMicroelectronics, Inc

TSSOP14

LM339DT

STMicroelectronics, Inc

SOP14

LM339PT

STMicroelectronics, Inc

TSSOP14

LMI19J

STMicroelectronics, Inc

CDIP14

LMV358IPT

STMicroelectronics, Inc

TSSOP-8

LMV324IDT

STMicroelectronics, Inc

SOP14

LM311DT

STMicroelectronics, Inc

SOP-8

LM393PT

STMicroelectronics, Inc

TSSOP-8

LM393DT

STMicroelectronics, Inc

SOP-8