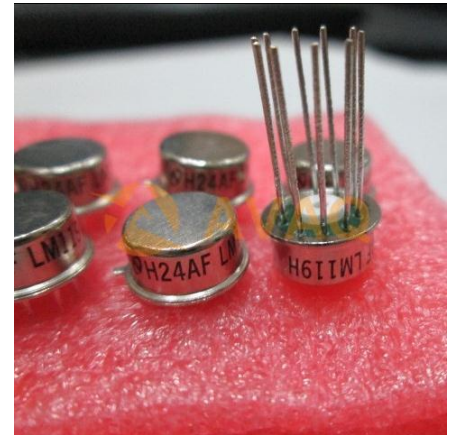


Comparator Dual $\pm 18\text{V}/36\text{V}$ 10-Pin TO-100 Box

Manufacturer:	Texas Instruments, Inc
Package/Case:	CAN10
Product Type:	Linear Displacement Sensors
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The LM119 series are precision high-speed dual comparators fabricated on a single monolithic chip. They are designed to operate over a wide range of supply voltages down to a single 5-V logic supply and ground. They have higher gain and lower input currents than devices such as the LM710. The uncommitted collector of the output stage makes the LM119 compatible with RTL, DTL, and TTL, as well as capable of driving lamps and relays at currents of up to 25 mA.

The LM319A offers improved precision over the standard LM319, with tighter tolerances on offset voltage, offset current, and voltage gain.

Although designed primarily for applications requiring operation from digital logic supplies, the LM119 series are fully specified for power supplies up to ± 15 V. The series features faster response than the LM111, at the expense of higher power dissipation. However, the high-speed, wide operating voltage range and low package count make the LM119 more versatile than older devices such as the LM711.

The LM119 is specified from -55°C to $+125^{\circ}\text{C}$, the LM219 is specified from -25°C to $+85^{\circ}\text{C}$, and the LM319A and LM319 are specified from 0°C to $+70^{\circ}\text{C}$.

Key Features

Two Independent Comparators

Operates from a Single 5-V Supply

Typically 80-ns Response Time at ± 15 V

Minimum Fan-out of 2 Each Side

Maximum Input Current of $1\ \mu\text{A}$ Over Temperature

Inputs and Outputs can be Isolated from System Ground

High Common-Mode Slew Rate

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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