TLC3702CDR

Comparator Dual 16V 8-Pin SOIC T/R

Manufacturer:	Texas Instruments, Inc
Package/Case:	SOP8
Product Type:	Linear Displacement Sensors
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active

TLC3702CDR Image

Images are for reference only

Inquiry

General Description

The TLC3702 consists of two independent micropower voltage comparators designed to operate from a single supply and be compatible with modern HCMOS logic systems. They are functionally similar to the LM339 but use one-twentieth of the power for similar response times. The push-pull CMOS output stage drives capacitive loads directly without a power-consuming pullup resistor to achieve the stated response time. Eliminating the pullup resistor not only reduces power dissipation, but also saves board space and component cost. The output stage is also fully compatible with TTL requirements.
Texas Instruments LinCMOS process offers superior analog performance to standard CMOS processes. Along with the standard CMOS advantages of low power without sacrificing speed, high input impedance, and low bias currents, the LinCMOS process offers extremely stable input offset voltages with large differential input voltages. This characteristic makes it possible to build reliable CMOS comparators.
The TLC3702C is characterized for operation over the commercial temperature range of 0°C to 70°C. The TLC3702I is characterized for operation over the extended industrial temperature range of –40°C to 85°C. The TLC3702M is characterized for operation over the full military temperature range of –55°C to 125°C.

Key Features

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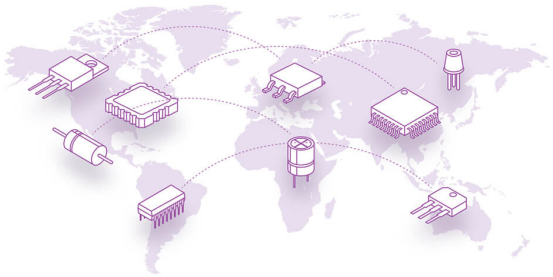

AVAQ

Recommended For You

TLC27M2CP

Texas Instruments, Inc

DIP8

TLV3501AIDR

Texas Instruments, Inc

SOP8

TL071ACP

Texas Instruments, Inc

DIP-8

TL062CDR

Texas Instruments, Inc

SOP8

TLE2142IP

Texas Instruments, Inc

DIP8

TLC272AID

Texas Instruments, Inc

SOP-8

TLV3502AQDCNRQ1

Texas Instruments, Inc

SOT23-8

TL084CD

Texas Instruments, Inc

SOP14

TLV271IDBVR

Texas Instruments, Inc

SOT23-5

TLC074CD

Texas Instruments, Inc

SOP14

TLC2272ACD

Texas Instruments, Inc

SOP-8

TLC2272AIDR

Texas Instruments, Inc

SOP8

TLV2462ID

Texas Instruments, Inc

SOP-8

TLV2471QDBVRQ1

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SOT23-5

TLV2381IDBVR

Texas Instruments, Inc

SOT23-5