


Comparator Single R-R I/P $\pm 2.75V/5.5V$ Automotive 5-Pin SC-70 T/R

Manufacturer:	Texas Instruments, Inc	TLV3201AQDCKRQ1 Image
Package/Case:	SC70-5	Images are for reference only
Product Type:	Linear Displacement Sensors	Inquiry
RoHS:	RoHS Compliant/Lead free 	
Lifecycle:	Active	

General Description

The TLV3201-Q1 and TLV3202-Q1 are single and dual-channel comparators that offer the ultimate combination of high speed (40 ns) and low-power consumption (40 μA), both in extremely small packages with features such as rail-to-rail input, low offset voltage (1 mV), and large output drive current. The devices are also very easy to implement in a wide variety of applications where response time is critical.

The TLV320x-Q1 family is available in single (TLV3201-Q1) and dual (TLV3202-Q1) channel versions, both with push-pull outputs. The TLV3201-Q1 is available in the 5-pin SC70 package. The TLV3202-Q1 is available in the 8-pin VSSOP package. All devices are specified for operation across the expanded industrial temperature range of $-40^{\circ}C$ to $+125^{\circ}C$.

Key Features

Qualified for Automotive Applications

AEC Q100-Qualified With the Following Results
Device Temperature Grade 1: $-40^{\circ}C$ to $+125^{\circ}C$ Ambient Operating Temperature

Device HBM ESD Classification Level 2 (TLV3201-Q1)

Device HBM ESD Classification Level 3A (TLV3202-Q1)

Device CDM ESD Classification Level C5

Low Propagation Delay: 40 ns

Low Quiescent Current:
40 μA per Channel

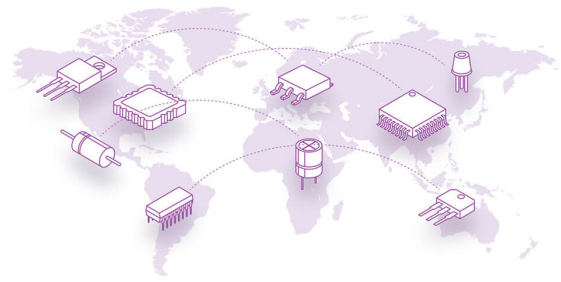
Input Common-Mode Range Extends 200 mV Beyond Either Rail

Low Input Offset Voltage: 1 mV

Push-Pull Outputs

Supply Range: 2.7 V to 5.5 V

Small Packages:
5-Pin SC70 and 8-Pin VSSOP



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

TLV2711DBVR

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

Texas Instruments, Inc

SOT23-5

TLV23811DBVR

Texas Instruments, Inc

SOT23-5