


Comparator Single R-R I/P $\pm 8V/16V$ 5-Pin SOT-23 T/R

Manufacturer:	Texas Instruments, Inc
Package/Case:	SOT23-5
Product Type:	Linear Displacement Sensors
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active

TLV3701CDBVR Image

Images are for reference only

[Inquiry](#)

General Description

The TLV700xx-Q1 family of low-dropout (LDO) linear regulators are low-quiescent-current devices with excellent line and load transient performance. These LDOs are designed for power-sensitive applications. A precision band-gap and error amplifier provides overall 2% accuracy. Low output noise, very high power-supply rejection ratio (PSRR), and low dropout voltage make this series of devices ideal for most battery-operated handheld equipment. All device versions have thermal shutdown and current limit for safety.

Furthermore, these devices are stable with an effective output capacitance of only 0.1 μF . This feature enables the use of cost-effective capacitors that have higher bias voltages and temperature derating. The devices regulate to specified accuracy with no output load.

The TLV700xx-Q1 LDOs are available in SOT-23-5 and SC70 packages.

Key Features

Low Supply Current ... 560 nA/Per Channel

Input Common-Mode Range Exceeds the Rails ... $-0.1 V$ to $VCC+ 5 V$

Supply Voltage Range ... 2.5 V to 16 V

ReverseBattery Protection Up to 18 V

Push-Pull CMOS Output Stage

Specified Temperature Range
 $0^{\circ}C$ to $70^{\circ}C$ – Commercial Grade

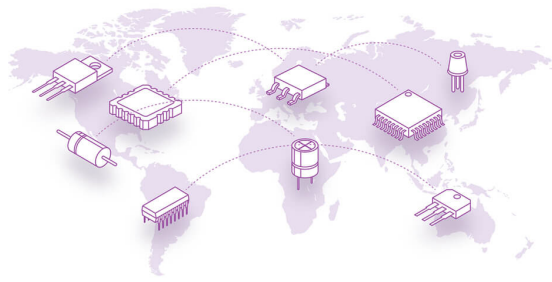
$-40^{\circ}C$ to $125^{\circ}C$ –Industrial Grade

Ultra-Small Packaging
5-Pin SOT-23 (TLV3701)

8-Pin MSOP (TLV3702)

Universal Op-Amp EVM (Reference SLOU060 for MoreInformation)

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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

TLV271HDBVR

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

TLV2381HDBVR

Texas Instruments, Inc

SOT23-5