

Op Amp Single GP R-R I/O $\pm 16V/32V$ Automotive 5-Pin SOT-23 T/R



Images are for reference only

[Inquiry](#)

Manufacturer: [Texas Instruments, Inc](#)

Package/Case: SOT-23-5

Product Type: Amplifier ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The LM7341 is a rail-to-rail input and output amplifier in a small SOT-23 package with a wide supply voltage and temperature range. The LM7341 has a 4.6 MHz gain bandwidth and a 1.9 volt per microsecond slew rate, and draws 0.75 mA of supply current at no load.

The LM7341 is tested at 40°C, 125°C and 25°C with modern automatic test equipment. Detailed performance specifications at 2.7V, $\pm 5V$, and $\pm 15V$ and over a wide temperature range make the LM7341 a good choice for automotive, industrial, and other demanding applications.

Greater than rail-to-rail input common mode range with a minimum 76 dB of common mode rejection at $\pm 15V$ makes the LM7341 a good choice for both high and low side sensing applications.

LM7341 performance is consistent over a wide voltage range, making the part useful for applications where the supply voltage can change, such as automotive electrical systems and battery powered electronics.

The LM7341 uses a small SOT23-5 package, which takes up little board space, and can be placed near signal sources to reduce noise pickup.

Key Features

($V_S = \pm 15V$, $T_A = 25^\circ C$, Typical Values.)

Tiny 5-pin SOT-23 Package Saves Space

Greater than Rail-to-Rail Input CMVR 15.3V to 15.3V

Rail-to-Rail Output Swing 14.84V to 14.86V

Supply Current 0.7 mA

Gain Bandwidth 4.6 MHz

Slew Rate 1.9 V/ μs

Wide Supply Range 2.7V to 32V

High Power Supply Rejection Ratio 106 dB

High Common Mode Rejection Ratio 115 dB

Excellent Gain 106 dB

Temperature Range 40°C to 125°C

Tested at 40°C, 125°C and 25°C at 2.7V, $\pm 5V$ and $\pm 15V$

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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

LMI93AH

Texas Instruments, Inc

CAN8

LMI11H/NOPB

Texas Instruments, Inc

CAN8