


**Op Amp Dual Low Offset Voltage Amplifier R-R I/O $\pm 2.75V/5.5V$
8-Pin SOIC T/R**

Manufacturer:	Texas Instruments, Inc
Package/Case:	SOP8
Product Type:	Amplifier ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The OPAx333 series of CMOS operational amplifiers use a proprietary auto-calibration technique to simultaneously provide very low offset voltage (10 μV , maximum) and near-zero drift over time and temperature. These miniature, high-precision, low quiescent current amplifiers offer high-impedance inputs that have a common-mode range 100 mV beyond the rails, and rail-to-rail output that swings within 50 mV of the rails. Single or dual supplies as low as 1.8 V (± 0.9 V) and up to 5.5 V (± 2.75 V) can be used. These devices are optimized for low-voltage, single-supply operation.

The OPAx333 family offers excellent CMRR without the crossover associated with traditional complementary input stages. This design results in superior performance for driving analog-to-digital converters (ADCs) without degradation of differential linearity.

The OPA333 (single version) is available in the 5-pin SOT-23, SOT, and 8-pin SOIC packages, while the OPA2333 (dual version) is available in the 8-pin VSON, SOIC, and VSSOP packages. All versions are specified for operation from $-40^{\circ}C$ to $125^{\circ}C$.

Key Features

Low Offset Voltage: 10 μ V (Maximum)

Zero Drift: 0.05 μ V/ $^{\circ}$ C (Maximum)

0.01-Hz to 10-Hz Noise: 1.1 μ VPP

Quiescent Current: 17 μ A

Single-Supply Operation

Supply Voltage: 1.8 V to 5.5V

Rail-to-Rail Input/Output

microSize Packages: SC70 and SOT23

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Recommended For You

OPA445BM

Texas Instruments, Inc
CAN

OPA1611AIDR

Texas Instruments, Inc
SOP8

OPA388QDBVRQ1

Texas Instruments, Inc
SOT23-5

OPA2365AQDRQ1

Texas Instruments, Inc
SOP8

OPA334AIDBVR

Texas Instruments, Inc
SOT23-6

OPA2835IDGSR

Texas Instruments, Inc
MSOP10

OPA656U

Texas Instruments, Inc
SOP8

OPA360AIDCKR

Texas Instruments, Inc
SC70-6

LMI11H/NOPB

Texas Instruments, Inc
CAN8

OPA353UA

Texas Instruments, Inc
SOP8

LMI3700MX/NOPB

Texas Instruments, Inc
SOP16

OPA633KP

Texas Instruments, Inc
DIP8

OPA453FAKTWT

Texas Instruments, Inc

TO263-7

OPA4251UA

Texas Instruments, Inc

SOP14

LMV321M5X/NOPB

Texas Instruments, Inc

SOT23-5