

Op Amp Dual GP R-R I/O 5.5V Automotive Medical 8-Pin SOIC T/R

Manufacturer:	Texas Instruments, Inc	<input type="text" value="OPA2348AQDRQ1 Image"/>
Package/Case:	SOP8	Images are for reference only
Product Type:	Amplifier ICs	<input type="button" value="Inquiry"/>
RoHS:	RoHS Compliant/Lead free 	
Lifecycle:	Active	

General Description

The OPAx348-Q1 series of devices are single-supply, low-power CMOS operational amplifiers. Featuring an extended bandwidth of 1 MHz and a supply current of 45 μ A, the OPAx348-Q1 family of devices is useful for low-power applications on single supplies of 2.1 V to 5.5 V.

Low supply current of 45 μ A and an input bias current of 0.5 pA make the OPAx348-Q1 family of devices an optimal candidate for low-power, high-impedance applications such as smoke detectors and other sensors.

The OPA348-Q1 device is available in both the SOT23-5 (DBV) and the SOIC (D) packages. The OPA2348-Q1 device is available in the SOIC-8 (D) package.

The OPA4348-Q1 device is available in the TSSOP-14 (PW) package. The automotive temperature range of -40°C to $+125^{\circ}\text{C}$ over all supply voltages offers additional design flexibility.

Key Features

Qualified for Automotive Applications

AEC-Q100 Qualified With the Following Results:

Device Temperature Grade 1: -40°C to
+125°C Ambient Operating Temperature
Range

Device HBM ESD Classification Level 2

Device CDM ESD Classification Level C4B

Low Quiescent Current (I_Q): 45 μA (Typ)

Low Cost

Rail-to-Rail Input and Output

Single Supply: 2.1 V to 5.5 V

Input Bias Current: 0.5 pA (Typ)

High Speed: Power With Bandwidth: 1 MHz

APPLICATIONS

Portable Equipment

Battery-Powered Equipment

Smoke Alarms

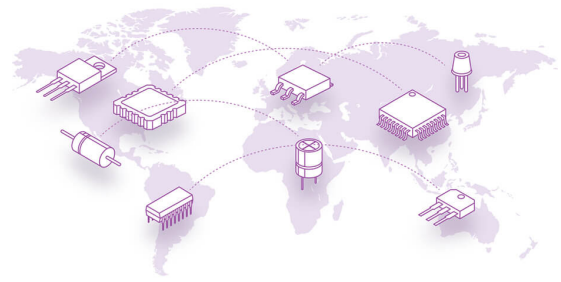
CO Detectors

HEV/EV and Power Train

Infotainment and Cluster

Medical Instrumentation

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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