

## Op Amp Dual Low Noise Amplifier R-R I/O 5.5V Automotive 8-Pin MSOP T/R

<b>Manufacturer:</b>	<a href="#">Analog Devices, Inc</a>	AD8656ARMZ-REEL Image
<b>Package/Case:</b>	MSOP8	Images are for reference only
<b>Product Type:</b>	Amplifier ICs	<a href="#" style="background-color: #f4a460; color: white; padding: 5px 15px; border-radius: 3px;">Inquiry</a>
<b>RoHS:</b>	RoHS Compliant/Lead free 	
<b>Lifecycle:</b>	Active	

### General Description

The AD8655/AD8656 are the industry’s lowest noise, precision CMOS amplifiers. They leverage the Analog Devices DigiTrim® technology to achieve high dc accuracy.

The AD8655/AD8656 provide low noise (2.7 nV/√Hz at 10 kHz), low THD + N (0.0007%), and high precision performance (250 μV max over VCM) to low voltage applications. The ability to swing rail-to-rail at the input and output enables designers to buffer analog-to-digital converters (ADCs) and other wide dynamic range devices in single-supply systems.

The high precision performance of the AD8655/AD8656 improves the resolution and dynamic range in low voltage applications. Audio applications, such as microphone pre-amps and audio mixing consoles, benefit from the low noise, low distortion, and high output current capability of the AD8655/AD8656 to reduce system level noise performance and maintain audio fidelity. The high precision and rail-to-rail input and output of the AD8655/ AD8656 benefit data acquisition, process controls, and PLL filter applications.

The AD8655/AD8656 are fully specified over the -40°C to +125°C temperature range. The AD8655/AD8656 are available in Pb-free, 8-lead MSOP and SOIC packages. The AD8655/ AD8656 are both available for automotive applications.

### Key Features

Low Noise: 2.7 nV/√Hz @>

Low offset voltage: 250 μV max over Vcm

Low Distortion: 0.0008%

Offset voltage drift: 0.4 μV/°C typ and 2.3 μV/°C max

Bandwidth: 28 MHz

Rail-to-rail Input/Output

Unity Gain Stable

2.7 V to 5.5 V Operation

Qualified for automotive applications

### Application

ADC and DAC buffers

Audio

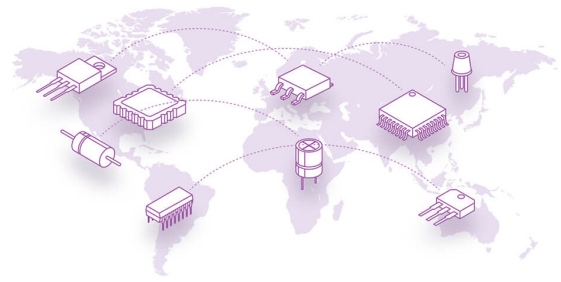
Industrial controls

Precision Filters

Digital Scales

Automotive collision avoidance

PLL filters



## Recommended For You

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### **AD8309ARUZ**

Analog Devices, Inc

TSSOP16

### **AD524BDZ**

Analog Devices, Inc

CDIP-16

### **AD8221BR**

Analog Devices, Inc

SOP-8

### **AD8221ARZ**

Analog Devices, Inc

SOP8

### **AD627BRZ**

Analog Devices, Inc

SOP8

### **AD622ANZ**

Analog Devices, Inc

DIP8

### **ADA4930-2YCPZ-R7**

Analog Devices, Inc

LFCSP24

### **AD8034ARZ**

Analog Devices, Inc

SOP8

### **AD8561ARZ**

Analog Devices, Inc

SOP8

### **AD633JRZ**

Analog Devices, Inc

SOP8

### **AD632AH**

Analog Devices, Inc

CAN10

### **AD8422BRZ**

Analog Devices, Inc

SOP8

### **ADCMP600BKSZ-R2**

Analog Devices, Inc

SC70-5

### **AD620BN**

Analog Devices, Inc

DIP8

### **AD620BR**

Analog Devices, Inc

SOP