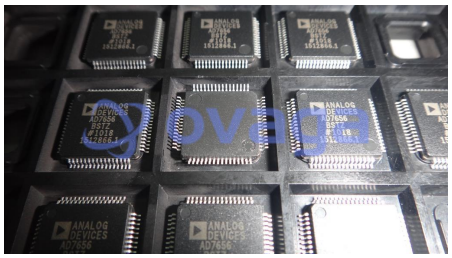
AD7656BSTZ

Data Sheet

250 kSPS, 6-Channel,Simultaneous Sampling, Bipolar 12/14/16-Bit ADC



Images are for reference only

Manufacturers	Analog Devices, Inc
Package/Case	LQFP-64
Product Type	Data Conversion ICs
RoHS	Pb-free Halide free
Lifecycle	

Please submit RFQ for AD7656BSTZ or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

AD7656BSTZ is an analog-to-digital converter (ADC) integrated circuit (IC) manufactured by Analog Devices Inc. It is a 16-bit, 8-channel ADC with a maximum sampling rate of 250 kilosamples per second (ksps). Some of its features are:

Features

Low power consumption: It operates at a single 3.3V supply and consumes only 26mW at the maximum sampling rate.

Low noise and distortion: It has a signal-to-noise ratio (SNR) of 89.5dB and a total harmonic distortion (THD) of -102dB.

Flexible input range: It has a programmable input range of ±2.5V, ±5V, or ±10V, making it suitable for a wide range of applications.

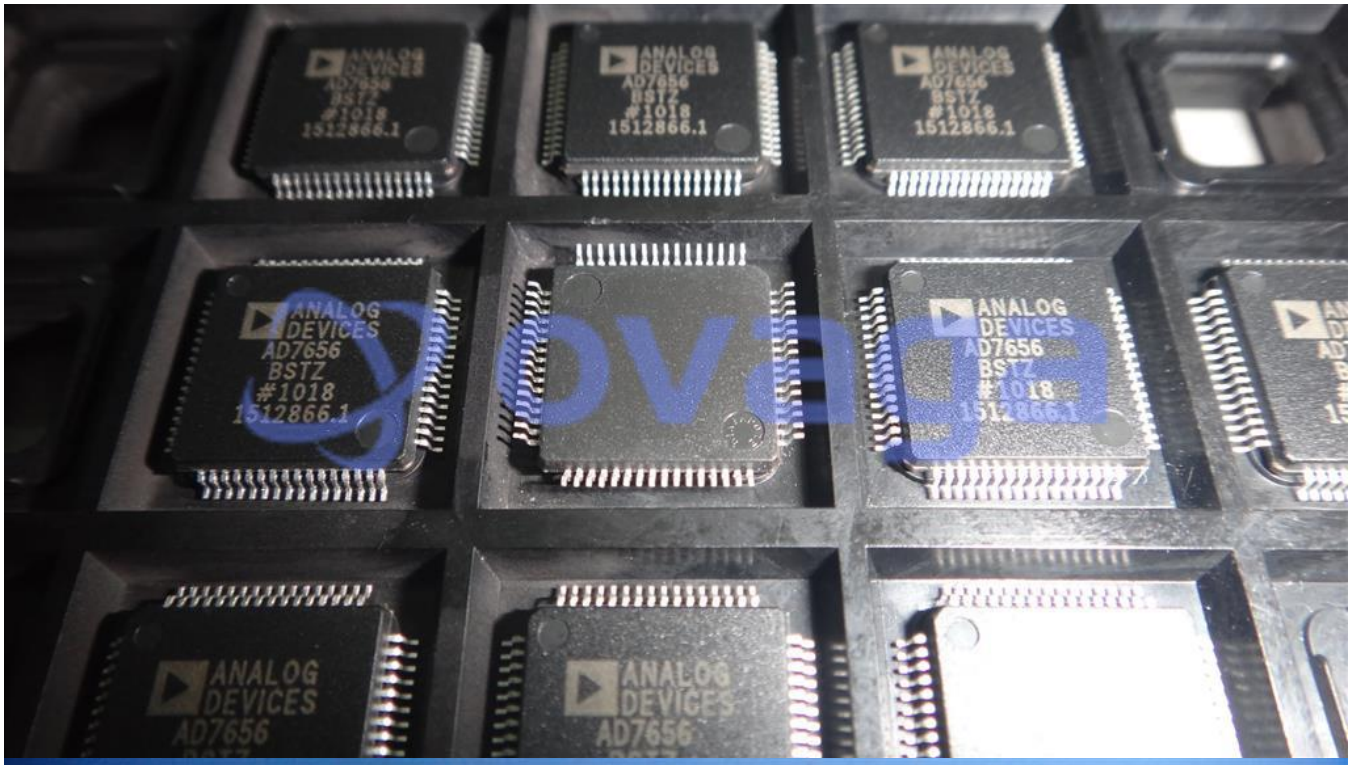
Easy interfacing: It communicates with the external system through a high-speed serial interface, which can be configured as SPI or QSPI.

Application

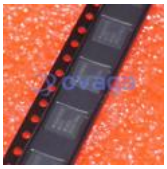
Data acquisition systems: It can be used in various data acquisition systems such as industrial automation, medical equipment, and instrumentation.

Audio and video equipment: It can be used in audio and video equipment for signal processing and digitization.

Power quality monitoring: It can be used in power quality monitoring systems for measuring voltage and current waveforms.



Related Products



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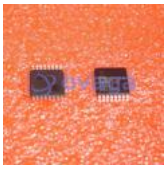
Analog Devices, Inc

LFCSP-40



[AD7266BSUZ]

Analog Devices, Inc

TQPF-32

[AD574AJNZ]

Analog Devices, Inc

PDIP-28

[AD7401YRWZ]

Analog Devices, Inc

SOIC-16

[AD7938BSUZ]

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TQFP-32

[AD7192BRUZ-REEL]

Analog Devices, Inc

TSSOP-24

[AD7124-8BCPZ-RL7]

Analog Devices, Inc

LFCSP-32

[AD9680BCPZ-500]

Analog Devices, Inc

LFCSP-64