

8 Channel Data Acquisition System, 16 Bit, 1 MSPS, 4.75 V to 5.25 V, LFCSP-40

Manufacturers	Analog Devices, Inc
Package/Case	LFCSP-40
Product Type	Data Conversion ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for ADAS3022BCPZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

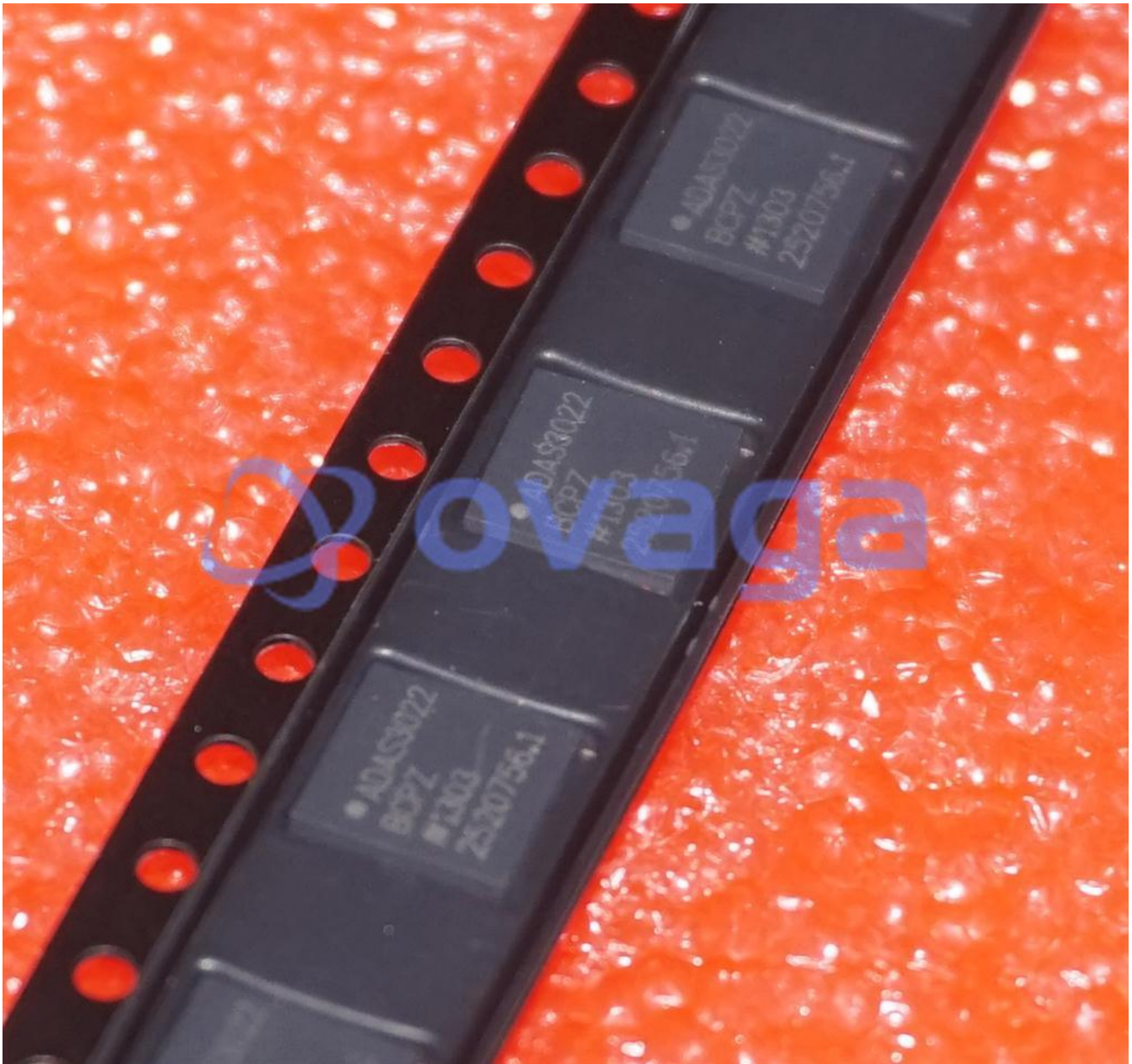
ADAS3022BCPZ is a high-precision, 16-bit, successive approximation analog-to-digital converter (ADC) from Analog Devices Inc. It is designed to provide high-accuracy conversion of analog signals to digital data for various applications, including industrial automation, data acquisition systems, and medical instrumentation.

Features

- High accuracy: 16-bit resolution with no missing codes
- Low noise: 100nV rms input noise
- High-speed: up to 1 MSPS conversion rate
- Low power: 7 mW at 1 MSPS
- Wide input voltage range: $\pm 10V$ bipolar input range with true bipolar input sampling
- On-chip reference: 2.5V reference with 5 ppm^oC temperature drift

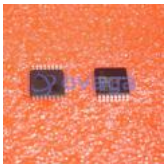
Application

- Industrial automation
- Data acquisition systems
- Medical instrumentation
- Instrumentation and control systems
- Precision measurement and testing





Related Products



[AD7266BSUZ](#)

Analog Devices, Inc
TQFP-32



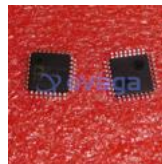
[AD574AJNZ](#)

Analog Devices, Inc
PDIP-28



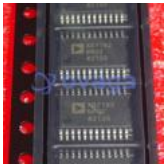
[AD7401YRWZ](#)

Analog Devices, Inc
SOIC-16



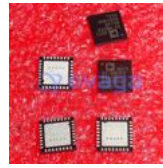
[AD7938BSUZ](#)

Analog Devices, Inc
TQFP-32



[AD7192BRUZ-REEL](#)

Analog Devices, Inc
TSSOP-24



[AD7124-8BCPZ-RL7](#)

Analog Devices, Inc
LFCSP-32



[AD9680BCPZ-500](#)

Analog Devices, Inc
LFCSP-64



[AD9280ARSZ](#)

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SSOP-28