

Analogue to Digital Converter, 12 bit, 65 MSPS, Differential, Parallel, Single, 3 V

Manufacturers	Analog Devices, Inc
Package/Case	LQFP-44
Product Type	Data Conversion ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for AD6640ASTZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Analog Devices' breakthrough design for digital radio receivers lets you bring programmable wideband radio base stations to market with complete confidence.

This advanced 'software' receiver is based on Analog Devices' function-rich, high-performance AD6640 and AD6620 chips. The AD6640 is a wideband analog-to-digital converter capable of sampling at 65 MSPS. The AD6620 is a 65 MSPS decimating receiver chip that enables the same radio to be tuned to different channels and even different air interface standards. Industry-leading high dynamic range wideband sampling enables the AD6640 to digitize an entire 25 MHz of spectrum at one time.

The result: A single all-digital wideband radio replaces multiple analog radios for a smaller, more flexible, more readily configurable solution that helps your customers remove the uncertainty from network planning.

Features

65 MSPS Minimum Sample Rate

80 dB Spurious-Free Dynamic Range

IF Sampling to 70 MHz

710 mW Power Dissipation

Single 5 V Supply

On-Chip T/H and Reference

Twos Complement Output Format

3.3 V or 5 V CMOS Compatible

Output Levels

Application

Cellular/PCS Base Stations

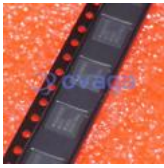
Multichannel, Multimode Receivers

Communications Receivers

Phased Array Receivers



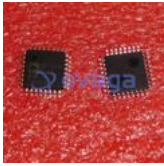
Related Products



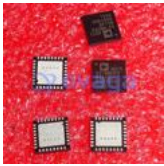
[ADAS3022BCPZ](#)
Analog Devices, Inc
LFCSP-40



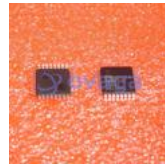
[AD574AJNZ](#)
Analog Devices, Inc
PDIP-28



[AD7938BSUZ](#)
Analog Devices, Inc
TQFP-32



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[AD7192BRUZ-REEL](#)
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TSSOP-24



[AD9680BCPZ-500](#)
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LFCSP-64