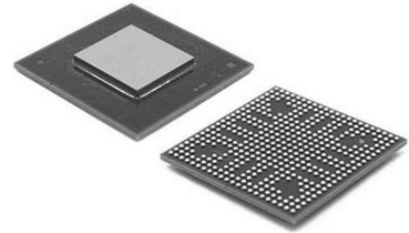


Dual, 8-/10-/12-/14-Bit Low Power Digital-to-Analog Converters

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 AD9715BCPZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD9714/AD9715/AD9716/AD9717 offer exceptional ac and dc performance and support update rates up to 125 MSPS.

The flexible power supply operating range of 1.8 V to 3.3 V and low power dissipation of the AD9714/AD9715/AD9716/AD9717 make them well-suited for portable and low power applications.

Product Highlights

Low Power. DACs operate on a single 1.8 V to 3.3 V supply; total power consumption reduces to 35 mW at 125 MSPS with a 1.8 V supply. Sleep and power-down modes are provided for low power idle periods.

CMOS Clock Input. High speed, single-ended CMOS clock input supports a 125 MSPS conversion rate.

Easy Interfacing to Other Components. Adjustable output common mode from 0 V to 1.2 V allows easy interfacing to other components that accept common-mode levels greater than 0 V.

Applications

Wireless infrastructures Picocell, femtocell base stations

Medical instrumentation Ultrasound transducer excitation

Portable instrumentation Signal generators, arbitrary waveform generators

Features

Power dissipation @ 3.3 V, 2 mA output 37 mW @ 10 MSPS 86 mW @ 125 MSPS
MSPS

Sleep mode: <3 mW @ 3.3 V

Supply voltage: 1.8 V to 3.3 V

SFDR to Nyquist 84 dBc @ 1 MHz output 75 dBc @ 10 MHz output

AD9715: NSD @ 10 MHz output, 125 MSPS, 2 mA: -141 dBc/Hz

Differential current outputs: 1 mA to 4 mA

2 on-chip auxiliary DACs

CMOS inputs with single-port operation

Output common mode: adjustable 0 V to 1.2 V

Small footprint 40-lead LFCSP RoHS-compliant package

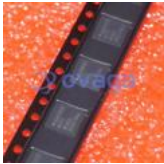
Application

Wireless infrastructures Pico cell, femto cell base stations

Medical instrumentation Ultrasound transducer excitation

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Related Products



[ADAS3022BCPZ](#)

Analog Devices, Inc
LFCSP-40



[AD574AJNZ](#)

Analog Devices, Inc
PDIP-28



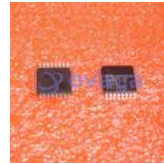
[AD7938BSUZ](#)

Analog Devices, Inc
TQFP-32



[AD7124-8BCPZ-RL7](#)

Analog Devices, Inc
LFCSP-32



[AD7266BSUZ](#)

Analog Devices, Inc
TQFP-32



[AD7401YRWZ](#)

Analog Devices, Inc
SOIC-16



[AD7192BRUZ-REEL](#)

Analog Devices, Inc
TSSOP-24



[AD9680BCPZ-500](#)

Analog Devices, Inc
LFCSP-64