

Digital to Analogue Converter, 14 bit, 125 MSPS, Serial, SPI, 1.8V to 3.3V, LFCSP, 40 Pins

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 AD9117BCPZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD9114/AD9115/AD9116/AD9117 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 AD9114/AD9115/AD9116/AD9117 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 225 mW at 100 MSPS. 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 for easy interfacing to other components that accept common-mode levels greater than 0 V.

Features

Power dissipation @ 3.3 V, 20 mA output 191 mW @ 10 MSPS 232 mW @ 125 MSPS

Sleep mode: <3 mW @ 3.3 V

Supply voltage: 1.8 V to 3.3 V

SFDR to Nyquist 86 dBc @ 1 MHz output 85 dBc @ 10 MHz output

NSD @ 10 MHz output, 125 MSPS, 20 mA: -157 dBc/Hz

Differential current outputs: 4 mA to 20 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 Picocell, femtocell base stations

Medical instrumentation Ultrasound transducer excitation

Portable instrumentation Signal generators, arbitrary waveform generators

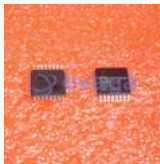


Related Products



[ADAS3022BCPZ](#)

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[AD7266BSUZ](#)

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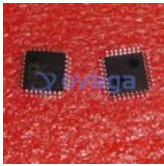
[AD574AJNZ](#)

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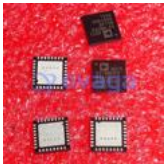
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