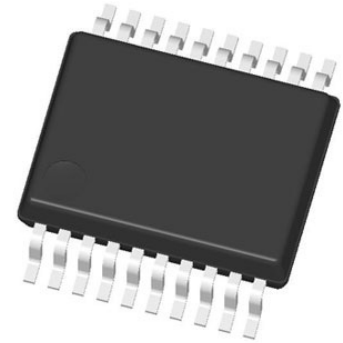


Analogue to Digital Converter, 8 bit, 80 MSPS, Single Ended, Single, 4.75 V

Manufacturers	Analog Devices, Inc
Package/Case	SSOP-20
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD9057BRSZ-80 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD9057 is an 8-bit monolithic analog-to-digital converter optimized for low cost, low power, small size, and ease of use. With a 40 MSPS, 60 MSPS or 80 MSPS encode rates capability and full-power analog bandwidth of 120 MHz, the component is ideal for applications requiring excellent dynamic performance.

To minimize system cost and power dissipation, the AD9057 includes an internal +2.5 V reference and a track-and-hold circuit. The user must provide only a +5 V power supply and an encode clock. No external reference or driver components are required for many applications.

The AD9057's encode input is TTL/CMOS compatible and the 8-bit digital outputs can be operated from +5 V or +3 V supplies. A power-down function may be exercised to bring total consumption to < 10 mW. In power-down mode the digital outputs are driven to a high impedance state.

Fabricated on an advanced BiCMOS process, the AD9057 is available in a space saving 20-lead surface mount plastic package (20 SSOP) and is specified over the industrial (-40°C to +85°C) temperature range.

Customers desiring multichannel digitization may consider the AD9059, a dual 8-bit, 60 MSPS monolithic based on the AD9057 ADC core. The AD9059 is available in a 28-lead surface mount plastic package (28 SSOP) and is specified over the industrial temperature range.

APPLICATIONS

Features

8-Bit, Low Power ADC: 200 mW Typical

120 MHz Analog Bandwidth

On-Chip 2.5 V Reference and Track-and-Hold

1 V

p-p

Single 5 V Supply Operation

5 V or 3 V Logic Interface

Power-Down Mode: <10 mW

See datasheet for additional features

Application

Digital Communications (QAM Demodulators)

RGB and YC/Composite Video Processing

Digital Data Storage Read Channels

Medical Imaging

Digital Instrumentation

Related Products



[ADAS3022BCPZ](#)

Analog Devices, Inc
LFCSP-40



[AD574AJNZ](#)

Analog Devices, Inc
PDIP-28



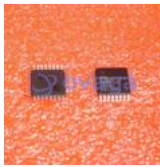
[AD7938BSUZ](#)

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