# AD876JR

Data Sheet

IC ADC 10BIT 20MSPS CMOS 28-SOIC

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|---|---|
| Manufacturers | Analog Devices, Inc |
| Package/Case | SOIC-28 |
| Product Type | Data Conversion ICs |
| RoHS | |
| Lifecycle | |

Images are for reference only

Please submit RFQ for AD876JR or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

## General Description

The AD876 is a CMOS, 160 mW, 10-bit, 20 MSPS analog-to-digital converter (ADC). The AD876 has an on-chip input sample-and-hold amplifier. By implementing a multistage pipelined architecture with output error correction logic, the AD876 offers accurate performance and guarantees no missing codes over the full operating temperature range. Force and sense connections to the reference inputs minimize external voltage drops.

The AD876 can be placed into a stand-by mode of operation reducing the power below 50 mW. The AD876's digital I/O interfaces to either +5 V or +3.3 V logic. Digital output pins can be placed in a high impedance state; the format of the output is straight binary coding.

The AD876's speed, resolution and single-supply operation ideally suit a variety of applications in video, multimedia, imaging, high speed data acquisition and communications. The AD876's low power and single-supply operation satisfy requirements for high speed portable applications. Its speed and resolution ideally suit charge coupled device (CCD) input systems such as color scanners, digital copiers, electronic still cameras and camcorders.

The AD876 comes in a space saving 28-pin SOIC and 48-pin thin quad flatpack (TQFP) and is specified over the commercial (0°C to +70°C) temperature range.

## Features

CMOS 10-Bit 20 MSPS Sampling A/D Converter

Pin-Compatible 8-Bit Option

Power Dissipation: 160 mW

Differential Nonlinearity: 0.5 LSB

Guaranteed No Missing Codes

Power Down (Standby) Mode

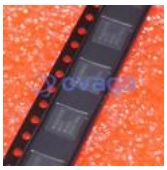
Three-State Outputs

Digital I/Os Compatible with +5 Vor +3.3 V Logic

Adjustable Reference Input

Small Size: 28-Lead SOIC, 28-Lead SSOP, or 48-Lead Thin Quad Flatpack (TQFP)

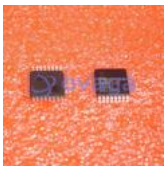
### Related Products



ADAS3022BCPZ

Analog Devices, Inc

LFCSP-40



AD7266BSUZ

Analog Devices, Inc

TQPF-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