AD5671RBRUZ

Data Sheet

Digital to Analogue Converter, Octal, 12 bit, I2C, 2.7V to 5.5V, TSSOP, 20 Pins

Manufacturers	Analog Devices, Inc
Package/Case	TSSOP-20
Product Type	Data Conversion ICs
RoHS	Pb-free Halide free
Lifecycle	

Images are for reference only

Please submit RFQ for AD5671RBRUZ or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The AD5671R/AD5675R are low power, octal, 12-/16-bit buffered voltage output digital-to-analog converters (DACs). They include a 2.5 V, 2 ppm/°C internal reference (enabled by default) and a gain select pin giving a full-scale output of 2.5 V = 2). The devices operate from a single 2.7 V to 5.5 V supply and are guaranteed monotonic by design. The AD5671R/AD5675R are available in a 20-lead TSSOP and in a 20-lead LFCSP and incorporate a power-on reset circuit and a RSTSEL pin that ensures the DAC outputs power up to zero scale or midscale and remain there until a valid write. The AD5671R/AD5675R contain a power-down mode, reducing the current consumption to 1 µA typical while in power-down mode.

Product Highlights

High Relative Accuracy (INL).AD5671R (12-bit): ±1 LSB maximumAD5675R (16-bit): ±3 LSB maximum

Low Drift 2.5 V On-Chip Reference

Features

High Performance

High relative accuracy (INL): ±3 LSB maximum at 16 bits

Total unadjusted error (TUE): ±0.14% of FSR maximum

Gain error: ±0.06% of FSR maximum

Low drift 2.5 V reference: 2 ppm/°C typical

Wide Operating Ranges

2.7 V to 5.5 V power supply

Easy Implementation

User selectable gain of 1 or 2 (GAIN pin/bit)

400 kHz I2C-compatible serial interface

20-lead, RoHS-compliant TSSOP and LFCSP

Application

Optical transceivers

Base-station power amplifiers

Process control (PLC input/output cards)

Industrial automation

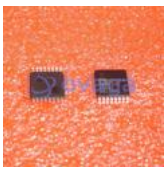
Data acquisition systems

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