AD5641BKSZ-REEL7

Data Sheet

DAC 1-CH Resistor-String 14-bit 6-Pin SC-70 T/R

Manufacturers	Analog Devices, Inc
Package/Case	SC70-6
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	

Images are for reference only

Please submit RFQ for AD5641BKSZ-REEL7 or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The AD5641, a member of the nanoDAC® family, is a single, 14-bit, buffered, voltage-out DAC that operates from a single 2.7 V to 5.5 V supply, typically consuming 75 µA at 5 V. The part comes in tiny LFCSP and SC70 packages. Its on-chip precision output amplifier allows rail-to-rail output swing to be achieved.

APPLICATIONS Voltage level setting Portable battery-powered instruments Digital gain and offset adjustment Programmable voltage and current sources Programmable attenuators

Application

Available in a space-saving, 6-lead LFCSP and SC70 packages.

Low power, single-supply operation. The AD5641 operates from a single 2.7 V to 5.5 V supply and with a maximum current consumption of 100 µA, making it ideal for battery-powered applications.

The on-chip output buffer amplifier allows the output of the DAC to swing rail-to-rail with a typical slew rate of 0.5 V/µs.

Reference derived from the power supply.

High speed serial interface with clock speeds up to 30 MHz. Designed for very low power consumption. The interface powers up only during a write cycle.

Power-down capability. When powered down, the DAC typically consumes 0.2 µA at 3 V.

Power-on reset with brownout detection.

Voltage level setting

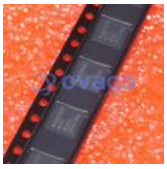
Portable battery-powered instruments

Digital gain and offset adjustment

Programmable voltage and current sources

Programmable attenuators

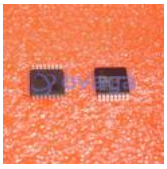
Related Products



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

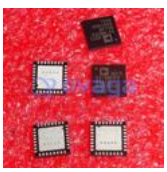
Analog Devices, Inc

TQFP-32

AD7192BRUZ-REEL

Analog Devices, Inc

TSSOP-24



AD7124-8BCPZ-RL7

Analog Devices, Inc

LFCSP-32

AD9680BCPZ-500

Analog Devices, Inc

LFCSP-64