AD7865BSZ-1

Data Sheet

Analog to Digital Converters - ADC Fast Lo-Pwr 4-Ch Simult Sampling 14B

Manufacturers	Analog Devices, Inc
Package/Case	QFP-44
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	

Images are for reference only

Please submit RFQ for AD7865BSZ-1 or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The AD7865 is a fast, low power, four-channel simultaneous sampling 14-bit A/D converter that operates from a single +5 V supply. The part contains a 2.5 µs successive approximation ADC, four track/hold amplifiers, 2.5 V reference, on chip clock oscillator, signal conditioning circuitry and a high speed parallel interface. The input signals on four channels are sampled simultaneously thus preserving the relative phase information of the signals on the four analog inputs. The part accepts analog input ranges of ±10 V, ±5 V or ±2.5 V. Overvoltage protection on the analog inputs for the part allows the input voltage to go to ±20 V without damaging the parts or affecting a conversion in progress.

Features

Fast (2.4 µs) 14-Bit ADC

Four Simultaneously Sampled Inputs

Four Track/Hold Amplifiers

0.35 µs Track/Hold Acquisition Time

2.4 µs Conversion Time per Channel

HW/SW Select of Channel Sequence for Conversion

Single Supply Operation

Low Power, 115 mW Typ

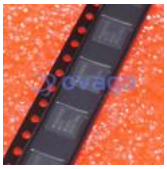
Selection of Input Ranges:

High Speed Parallel Interface Allows Interfacing to 3 V Processors

Power Saving Mode, 15 µW Typ

Overvoltage Protection on Analog Inputs

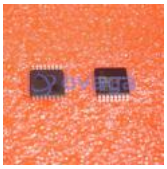
Related Products



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