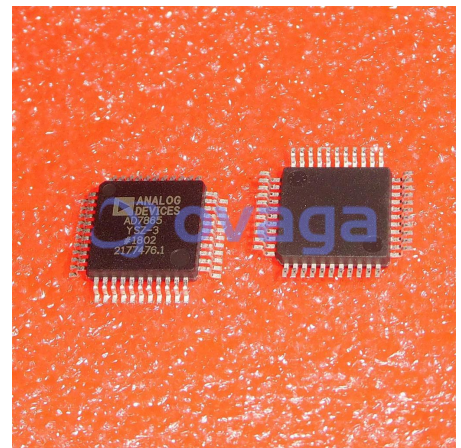


4-Channel Single ADC SAR 350ksps 14-bit Parallel Automotive 44-Pin MQFP Tray

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 AD7865YSZ-3 or [Email to us: sales@ovaga.com](mailto: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 μ s 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 μ s) 14-Bit ADC

Four Simultaneously Sampled Inputs

Four Track/Hold Amplifiers

0.35 μ s Track/Hold Acquisition Time

2.4 μ s Conversion Time per Channel

HW/SW Select of Channel Sequence for Conversion

Single Supply Operation

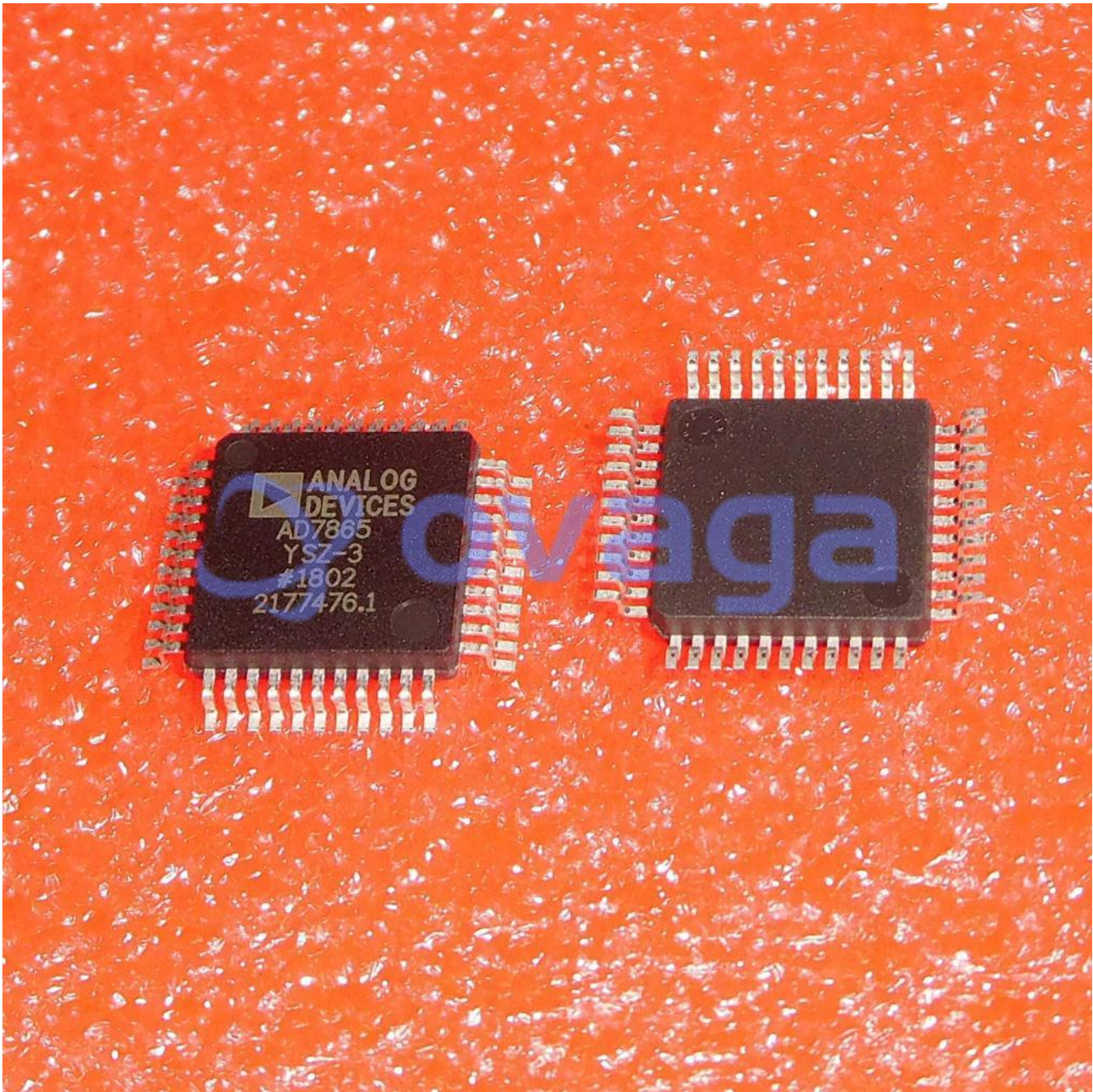
Low Power, 115 mW Typ

Selection of Input Ranges:

High Speed Parallel Interface Allows Interfacing to 3 V Processors

Power Saving Mode, 15 μ W Typ

Overvoltage Protection on Analog Inputs

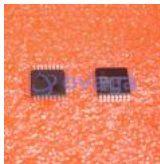


Related Products



[ADAS3022BCPZ](#)

Analog Devices, Inc
LFCSP-40



[AD7266BSUZ](#)

Analog Devices, Inc
TQPF-32



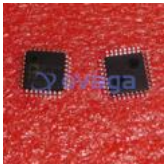
[AD574AJNZ](#)

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