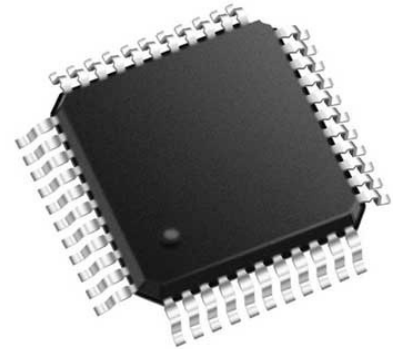


4-Channel Single ADC Delta-Sigma 570ksps 22-bit Serial 44-Pin MQFP Tray

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



Images are for reference only

Please submit RFQ for AD7716BSZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The device consists of four separate A/D converter channels that are implemented using sigma-delta technology. Sigma-delta ADCs include on-chip digital filtering and, thus, the system filtering requirements are eased.

Three address pins program the device address. This allows a data acquisition system with up to 32 channels to be set up in a simple fashion. The output word from the device contains 32 bits of data. One bit is determined by the state of the DIN1 input and may be used, for example, in an ECG system with an external pacemaker detect circuit to indicate that the output word is invalid because of the presence of a pacemaker pulse.

Features

22-Bit Sigma-Delta ADC Dynamic Range of 105 dB (146 Hz Input) 60.003% Integral Nonlinearity

On-Chip Low-Pass Digital Filter Cutoff Programmable from 584 Hz to 36.5 Hz Linear Phase Response

Five Line Serial I/O

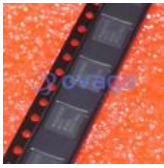
Twos Complement Coding

Easy Interface to DSPs and Microcomputers

Software Control of Filter Cutoff

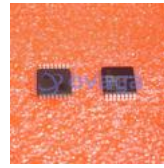
Low Power Operation: 50 mW

Related Products



[ADAS3022BCPZ](#)

Analog Devices, Inc
LFCSP-40



[AD7266BSUZ](#)

Analog Devices, Inc
TQPF-32



[AD574AJNZ](#)

Analog Devices, Inc
PDIP-28



[AD7401YRWZ](#)

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SOIC-16



[AD7938BSUZ](#)

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[AD7192BRUZ-REEL](#)

Analog Devices, Inc
TSSOP-24



[AD7124-8BCPZ-RL7](#)

Analog Devices, Inc
LFCSP-32



[AD9680BCPZ-500](#)

Analog Devices, Inc
LFCSP-64