

1-Channel Single ADC SAR 570ksps 18-bit Parallel/Serial 48-Pin LQFP Tray

Manufacturers [Analog Devices, Inc](#)

Package/Case LQFP-48

Product Type Data Conversion ICs

RoHS Rohs

Lifecycle



Images are for reference only

Please submit RFQ for AD7679ASTZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The part is available in a 48-lead LQFP or 48-lead LFCSP with operation specified from -40°C to $+85^{\circ}\text{C}$.

Features

18-bit resolution with no missing codes

No pipeline delay (SAR architecture)

Differential input range: $\pm V_{REF}$ (V_{REF} up to 5 V)

Throughput: 570 kSPS

INL: ± 2.5 LSB max (± 9.5 ppm of full scale)

Dynamic range : 103 dB typ>

S/(N+D): 100 dB typ @ 2 kHz>

Parallel (18-,16-, or 8-bit bus) and serial 5 V/3 V interface

SPI®/QSPI™/MICROWIRE™/DSP compatible

On-board reference buffer

Single 5 V supply operation

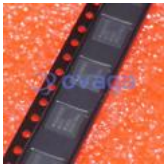
Power dissipation: 76 mW @ 500 kSPS; 150 μ W @ 1 kSPS

48-lead LQFP or 48-lead LFCSP package

Pin-to-pin compatible upgrade of AD7674/AD7676/AD7678



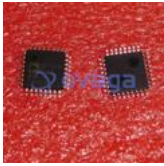
Related Products



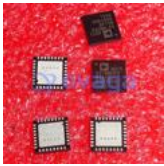
[ADAS3022BCPZ](#)
Analog Devices, Inc
LFCSP-40



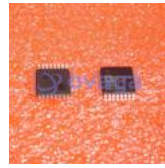
[AD574AJNZ](#)
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PDIP-28



[AD7938BSUZ](#)
Analog Devices, Inc
TQFP-32



[AD7124-8BCPZ-RL7](#)
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[AD7401YRWZ](#)
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[AD7192BRUZ-REEL](#)
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[AD9680BCPZ-500](#)
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