

Analogue to Digital Converter, 16 bit, 16 MSPS, Differential, Serial, Single, 3 V

Manufacturers	Analog Devices, Inc
Package/Case	SOIC-16
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD7401YRWZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

AD7401YRWZ is an integrated circuit (IC) designed by Analog Devices Inc. It is a high-precision isolated sigma-delta modulator that is used to measure small differential signals in the presence of high common-mode voltages. This IC is commonly used in power monitoring and control systems.

Features

High accuracy: The AD7401YRWZ provides 16-bit resolution with a maximum non-linearity error of +/- 0.1% FSR (full-scale range).

Isolation: The AD7401YRWZ provides galvanic isolation up to 5 kV RMS for 1 minute, making it ideal for high-voltage applications.

Low power consumption: The AD7401YRWZ consumes only 3.5 mW of power.

Serial interface: The AD7401YRWZ communicates using a serial peripheral interface (SPI) protocol.

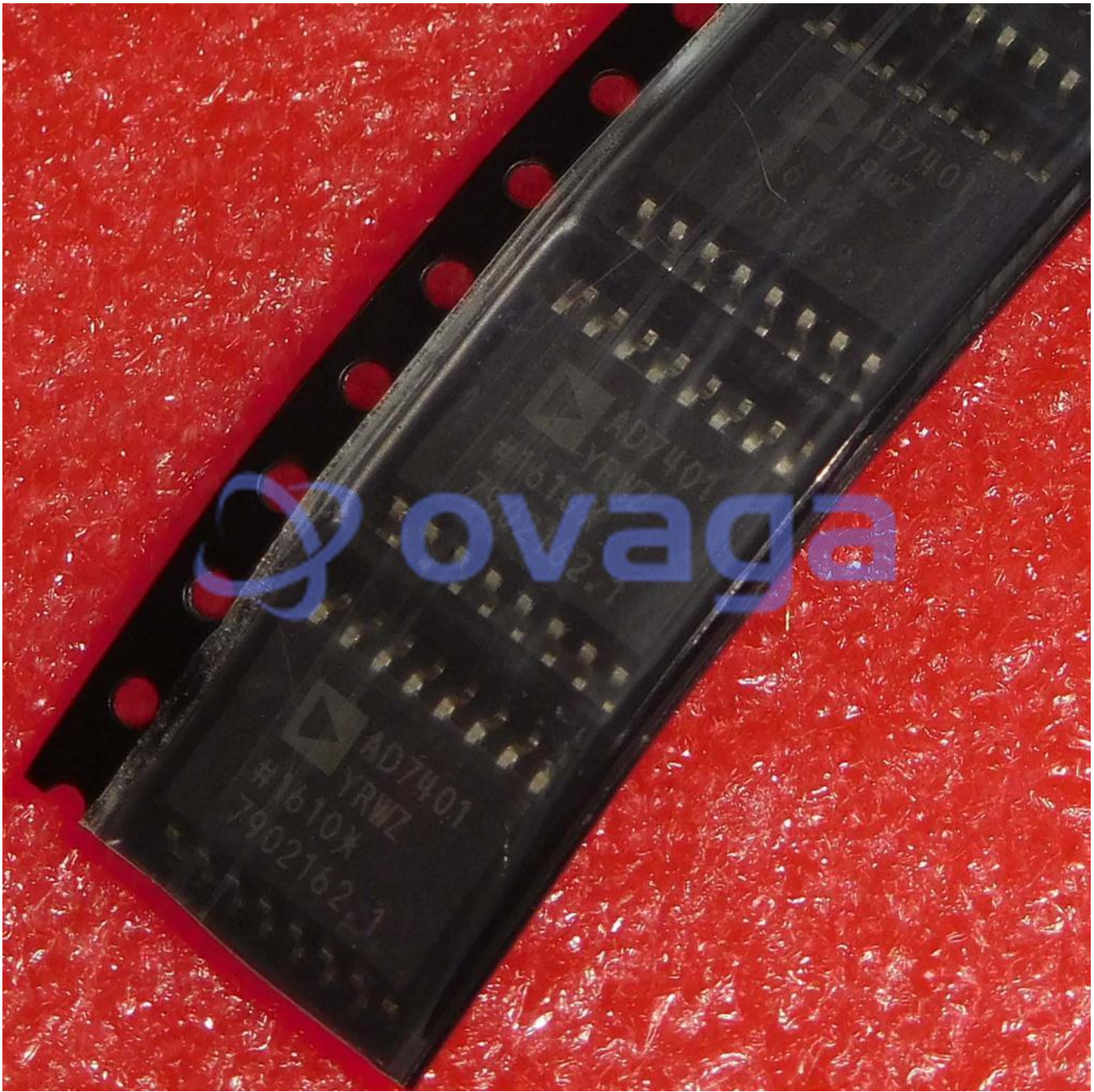
Application

Power monitoring and control: The AD7401YRWZ is commonly used in power monitoring and control systems to measure the voltage and current in AC and DC power systems.

Motor control: The AD7401YRWZ can be used to measure the current in motor control systems, enabling accurate control of the motor's speed and torque.

Industrial automation: The AD7401YRWZ can be used in industrial automation systems to measure and control various parameters such as temperature, pressure, and flow.



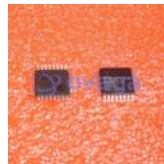


Related Products



[ADAS3022BCPZ](#)

Analog Devices, Inc
LFCSP-40



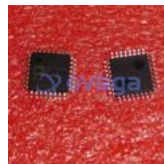
[AD7266BSUZ](#)

Analog Devices, Inc
TQFP-32



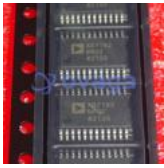
[AD574AJNZ](#)

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[AD7938BSUZ](#)

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[AD7192BRUZ-REEL](#)

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[AD9280ARSZ](#)

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