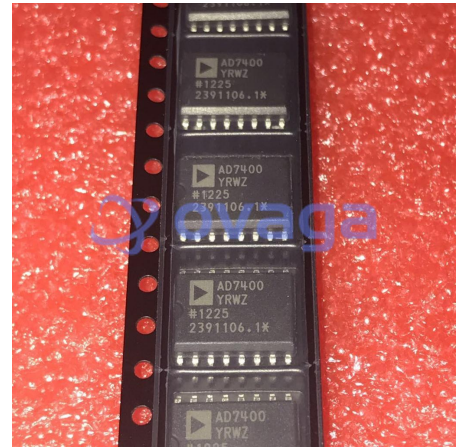


Evaluation Module for TPS62622 600-mA, 6-MHz, Vout 1.5V Step-Down Converter

| | |
|---------------|-------------------------------------|
| 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 AD7400YRWZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD7400 is a second-order, sigma-delta (Σ - Δ) modulator that converts an analog input signal to a high speed, 1-bit data stream with on-chip digital isolation based on Analog Devices, Inc. iCoupler® technology. The AD7400 operates from a 5 V power supply and accepts a differential input signal of ± 200 mV (± 320 mV full scale). The analog input is continuously sampled by the analog modulator, eliminating the need for external sample-and-hold circuitry. The input information is contained in the output stream as a density of ones with a data rate of 10 MHz. The original information can be reconstructed with an appropriate digital filter. The serial I/O can use a 5 V or a 3 V supply (VDD2).

The serial interface is digitally isolated. High speed CMOS, combined with monolithic air core transformer technology, means the on-chip isolation provides outstanding performance characteristics superior to alternatives such as optocoupler devices. The part contains an on-chip reference. The AD7400 is offered in a 16-lead SOIC and has an operating temperature range of -40°C to $+105^{\circ}\text{C}$.

An external clock version, AD7401, is also available.

Features

10 MHz clock rate

Second-order modulator

16 bits no missing codes

3.5 $\mu\text{V}/^\circ\text{C}$ maximum offset drift

On-board digital isolator

On-board reference

Low power operation: 18 mA maximum at 5.25 V

16-lead SOIC package

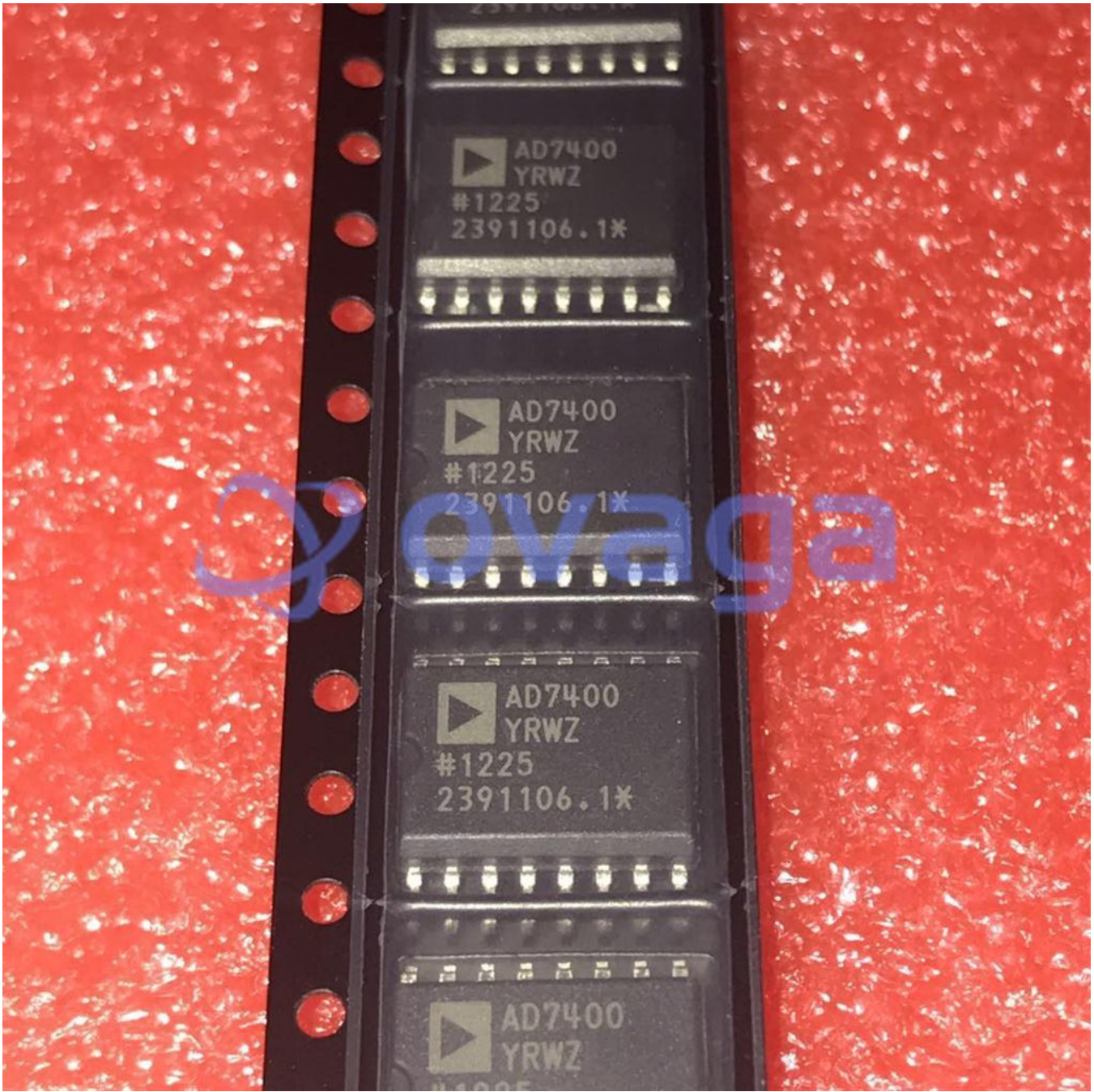
See attached Data Sheet for more Features.

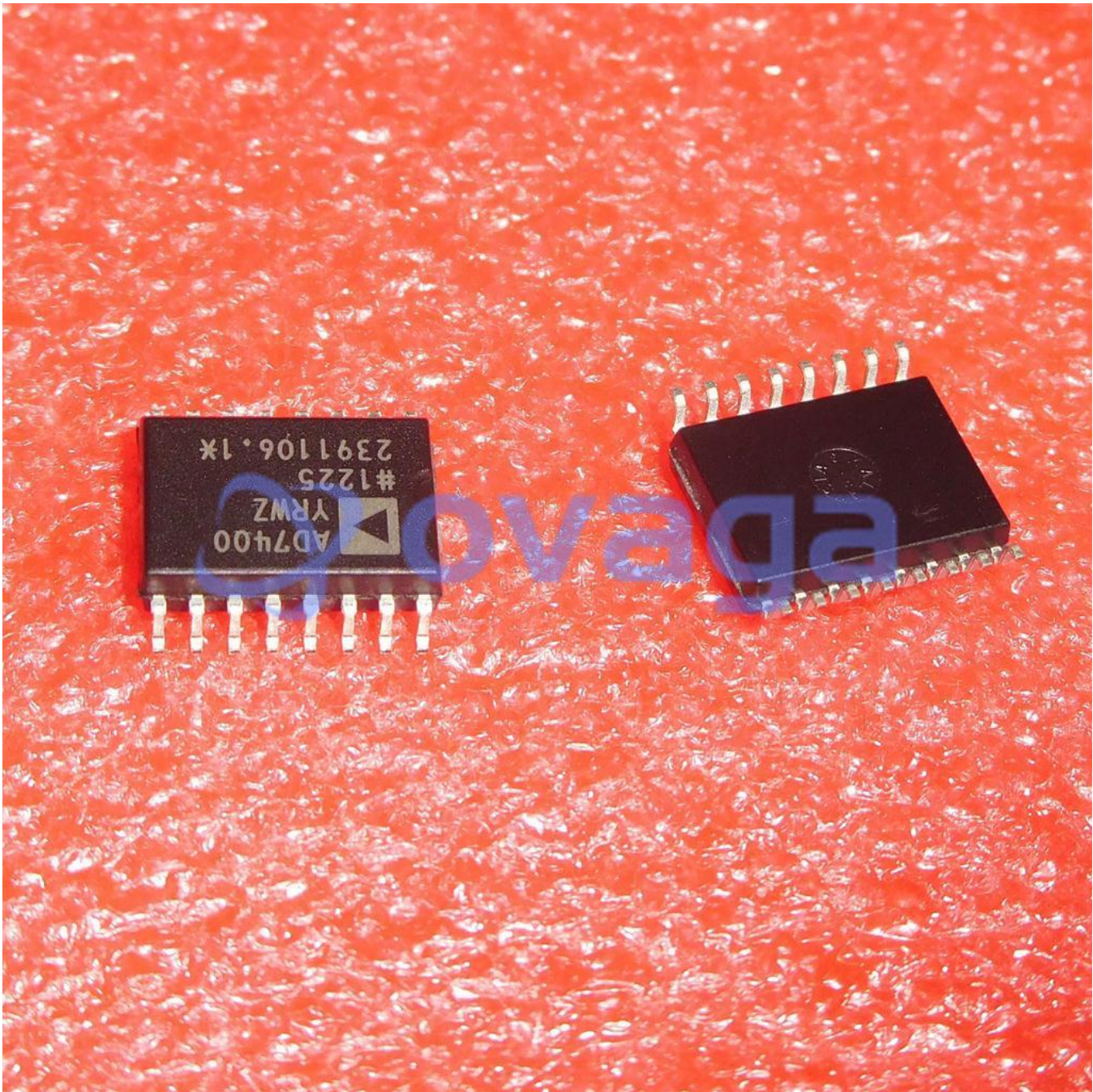
Application

AC motor controls

Data acquisition systems

A/D + opto-isolator replacements



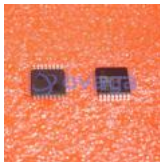


Related Products



[ADAS3022BCPZ](#)

Analog Devices, Inc
LFCSP-40



[AD7266BSUZ](#)

Analog Devices, Inc
TQPF-32



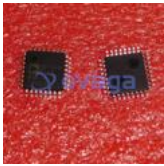
[AD574AJNZ](#)

Analog Devices, Inc
PDIP-28



[AD7401YRWZ](#)

Analog Devices, Inc
SOIC-16



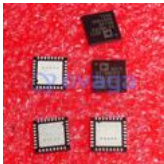
[AD7938BSUZ](#)

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