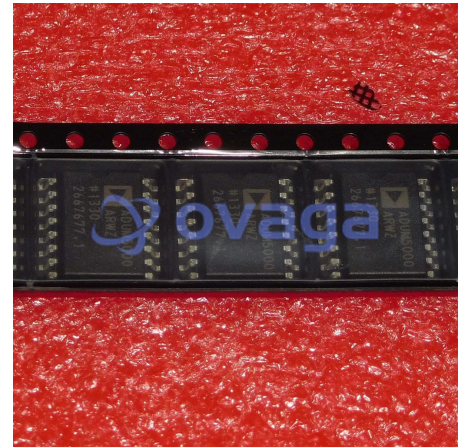


Conv DC-DC 2.7V to 5.5V Dual-Out 3.3V/5V 0.5W 16-Pin SOIC W T/R

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



Images are for reference only

Please submit RFQ for ADUM5000ARWZ-RL or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADuM5000 is an isolated DC/DC converter based on the Analog Devices, Inc., iCoupler® technology. The DC/DC converter in this device provides regulated, isolated power in several combinations of input and output voltage as listed in Table 1.

The Analog Devices chip-scale transformer iCoupler technology transfers isolated power in this DC/DC converter with up to 33% efficiency. The result is a small form factor, total isolation solution.

Higher output power levels are obtained by using the ADuM5000 to augment the power output of ADuM5401, ADuM5402, ADuM5403, ADuM5404, and ADuM520x iCouplers with isoPower®.

isoPower uses high frequency switching elements to transfer power through its transformer. Special care must be taken during printed circuit board (PCB) layout to meet emissions standards. Refer to the AN-0971 application note for board layout recommendations.

Features

For AEC-Q100 Automotive Qualified Device Specifications, Download .

Regulated 3.3V or 5V output

Up to 500 mW output power

16-lead SOIC package with >8 mm creepage

High temperature operation: 105°C maximum

High common-mode transient immunity: >25 kV/μs

Thermal Overload Protection

Safety and regulatory approvals UL recognition 2500 V rms for 1 minute per UL 1577

CSA Component Accept Notice #5A (pending)

VDE cert of conformity (pending) DIN V VDE V 0884-10 (VDE V 0884-10)>

Application

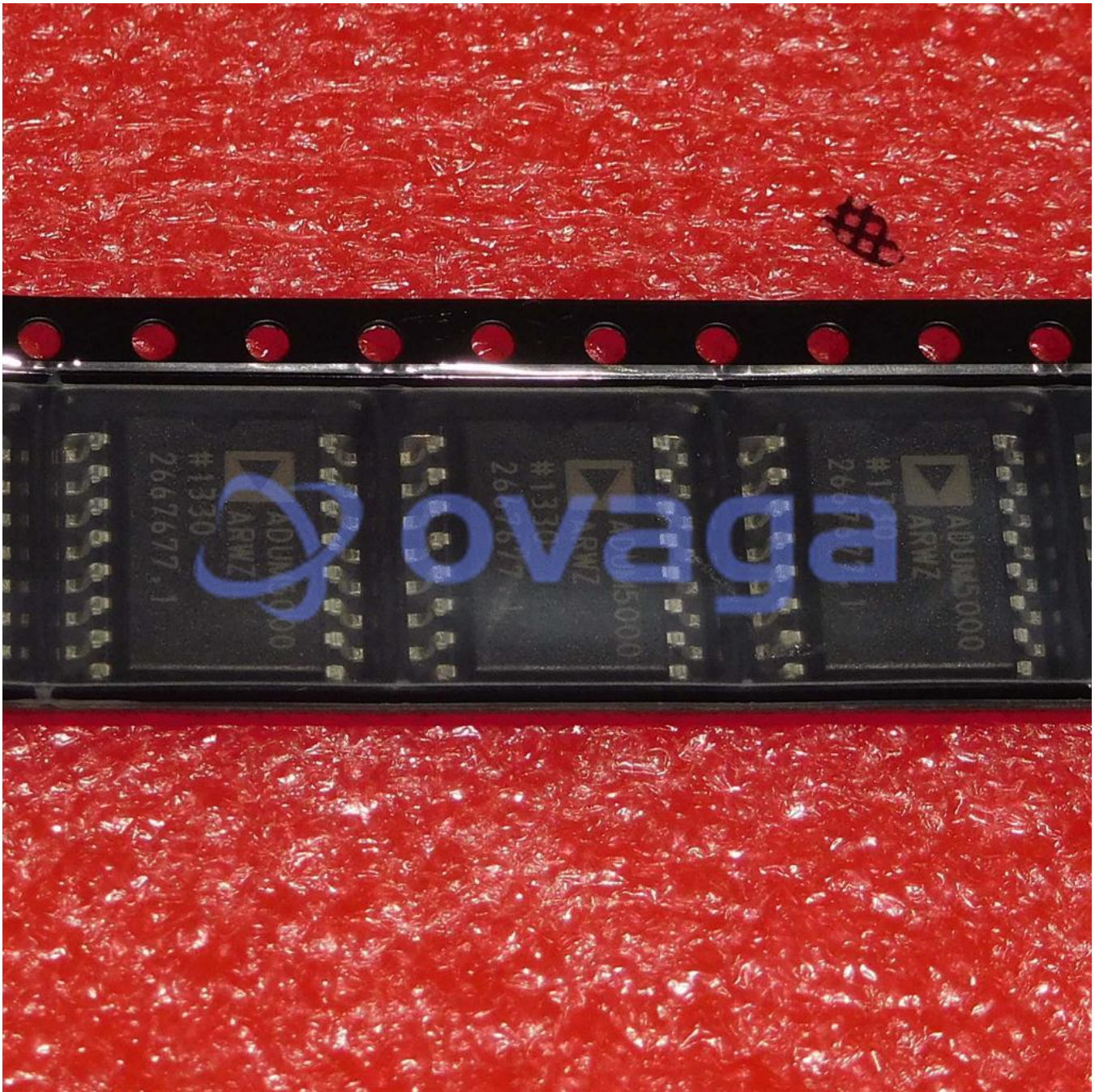
RS-232/RS-422/RS-485 transceivers

Industrial field bus isolation

Power supply start ups and gate drives

Isolated sensor interface

Industrial PLCs



Related Products



[ADV7181CBSTZ](#)

Analog Devices, Inc
LQFP-64



[AD8170AR](#)

Analog Devices, Inc
SOP8



[AD724JR](#)

Analog Devices, Inc
SOIC-16



[ADV7393BCPZ](#)

Analog Devices, Inc
LFCSP-VQ-40



[ADV7391WBCPZ](#)

Analog Devices, Inc
LFSCP-3



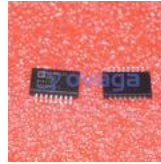
[ADV7390BCPZ](#)

Analog Devices, Inc
QFN32



[ADV7341BSTZ](#)

Analog Devices, Inc
LQFP-64



[ADUM4160BRIZ](#)

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SOIC-16