

Digital Isolator, Dual, 2 Channel, 55 ns, 3 V, 5.5 V, WSOIC, 16 Pins

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



Images are for reference only

Please submit RFQ for ADUM6201ARWZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADuM6200/ADuM6201/ADuM6202 are dual-channel digital isolators with isoPower®, an integrated, isolated DC/DC converter. Based on the Analog Devices, Inc., iCoupler® technology, the DC/DC converter provides up to 400 mW of regulated, isolated power at either 5.0 V or 3.3 V from a 5.0 V input supply, or at 3.3 V from a 3.3 V supply at the power levels shown in Table 1 on the data sheet. These devices eliminate the need for a separate, isolated DC/DC converter in low power, isolated designs. The iCoupler chip scale transformer technology is used to isolate the logic signals and for the magnetic components of the DC/DC converter. The result is a small form factor, total isolation solution. The ADuM6200/ADuM6201/ADuM6202 isolators provide two independent isolation channels in a variety of channel configurations and data rates (see the Ordering Guide for more information). 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. See the AN-0971 Application Note for board layout recommendations.

Features

isoPower integrated, isolated DC/DC converter

Regulated 5 V or 3.3 V output

Up to 400 mW output power

Dual dc-to-25 Mbps (NRZ) signal isolation channels

16-lead SOIC package with 7.6 mm creepage

High temperature operation: 105°C maximum

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

Safety and regulatory approvalsUL recognition (pending)5000 V rms for 1 minute per UL 1577

CSA Component Acceptance Notice #5AIEC 60601-1: 125 V rmsIEC 60950-1: 380 V rms

VDE certificate of conformity (pending)IEC 60747-5-2 (VDE 0884 Part>

Application

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

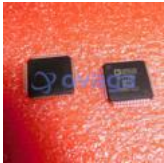
Industrial field bus isolation

Power supply start-up bias and gate drives

Isolated sensor interfaces

Industrial PLCs

Related Products



[ADV7181CBSTZ](#)

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LQFP-64



[AD724JR](#)

Analog Devices, Inc
SOIC-16



[ADV7391WBCPZ](#)

Analog Devices, Inc
LFSCP-3



[ADV7341BSTZ](#)

Analog Devices, Inc
LQFP-64



[AD8170AR](#)

Analog Devices, Inc
SOP8



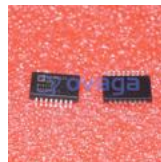
[ADV7393BCPZ](#)

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