

Digital Isolator, 4 Channel, 13 ns, 1.7 V, 5.5 V, SSOP, 24 Pins

Manufacturers	Analog Devices, Inc
Package/Case	SOP
Product Type	Interface ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for ADUM5412BRSZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADuM5410/ADuM5411/ADuM5412 are quad-channel digital isolators with isoPower®, integrated, isolated dc-to-dcconverters. Based on the Analog Devices, Inc., iCoupler® technology, the dc-to-dc converters provide regulated, isolated power that is adjustable between 3.15 V and 5.25 V.

The ADuM5410/ADuM5411/ADuM5412 eliminate the need for a separate, isolated dc-to-dc converter in low power, isolated designs. The iCoupler chip scale transformer technology is used for isolated logic signals and for the magnetic components of the dc-to-dc converters. The result is a small form factor, total isolation solution.

The ADuM5410/ADuM5411/ADuM5412 isolators provide four independent isolation channels in a variety of channel configurations and data rates (see the Ordering Guide for more information).

Features

isoPower integrated, isolated dc-to-dc converter

Up to 150 mW output power

Quad dc to 150 Mbps signal isolation channels

24-lead SSOP package with 5.3 mm minimum creepage

High temperature operation: 105°C

High common-mode transient immunity: 100 kV/μs

Safety and regulatory approvals

UL recognition (pending)— 2500 V rms for 1 minute per UL 1577

CSA Component Acceptance Notice 5A (pending)

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

Application

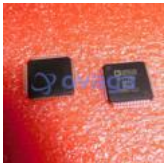
RS-232 transceivers

Power supply startup bias and gate drives

Isolated sensor interfaces

Industrial PLCs

Related Products



[ADV7181CBSTZ](#)

Analog Devices, Inc
LQFP-64



[AD724JR](#)

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SOIC-16



[ADV7391WBCPZ](#)

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QFN32



[ADUM4160BRIZ](#)

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SOIC-16