

Low Emission Isolated DC to DC Converter

Manufacturers

[Analog Devices, Inc](#)

Package/Case

8-Lead SOIC (Increased Creepage)

Product Type

Interface ICs

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for ADUM5028-3BRIZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADuM5028 is an isoPower®, integrated, isolated dc-to-dc converter. Based on the Analog Devices, Inc., iCoupler® technology, the dc-to-dc converter provide regulated, isolated power that is below CISPR22 Class B limits at full load on a 2-layer PCB with ferrites.

The ADuM5028 eliminates the need to design and build an isolated dc-to-dc converter in 300 mW applications. The iCoupler chip scale transformer technology is used for the magnetic components of the dc-to-dc converter. The result is a small form factor, isolated solution.

The ADuM5028 isolated dc-to-dc converters provide a space saving 8 pin wide body SOIC.

Features

isoPower integrated, isolated dc-to-dc converter

100 mA output current for ADuM5020

60 mA output current for ADuM5028

Meets CISPR22 Class B emissions limits at full load on a 2-layer PCB

16-lead SOIC_W package with 7.8 mm minimum creepage

8-lead SOIC_IC package with 8.3 mm minimum creepage

High temperature operation: 125°C maximum

Safety and regulatory approvals

UL recognition (pending)

3000 V rms for 1 minute per UL 1577

CSA Component Acceptance Notice 5A (pending)

VDE certificate of conformity (pending)

VDE V>

CQC certification per GB4943.1-2011 (pending)

Application

RS-485/RS-422/CAN transceiver power

Power supply startup bias and gate drives

Isolated sensor interfaces

Related Products



[ADV7181CBSTZ](#)

Analog Devices, Inc
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



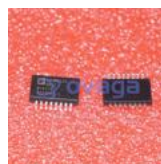
[ADV7393BCPZ](#)

Analog Devices, Inc
LFCSP-VQ-40



[ADV7390BCPZ](#)

Analog Devices, Inc
QFN32



[ADUM4160BRIZ](#)

Analog Devices, Inc
SOIC-16