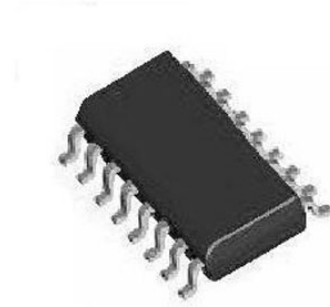


Conv DC-DC 3V to 5.5V Non-Inv/Inv/Step Up/Step Down Single-Out 5V/3.3V 0.08A
0.4W 16-Pin SOIC W Tube



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

Images are for reference only

Please submit RFQ for ADUM6000ARIZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADuM6000 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 voltages as listed in Table 1 on the data sheet. The Analog Devices chip scale transformer iCoupler technology transfers isolated power in this DC/DC converter with up to 31% efficiency. The result is a small form factor, total isolation solution. Higher output power levels are obtained by using the ADuM6000 to augment the power output of the ADuM5401, ADuM5402, ADuM5403, ADuM5404, ADuM520x, and ADuM620x 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. 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

16-lead SOIC package with >7.6 mm creepage

High temperature operation: 105°C maximum

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

Thermal overload protection

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

USB peripheral power

RS-232/RS-422/RS-485 transceiver power

Industrial field bus power

Power supply start-up bias

Industrial PLCs

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



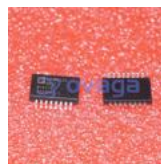
[ADV7393BCPZ](#)

Analog Devices, Inc
LFCSP-VQ-40



[ADV7390BCPZ](#)

Analog Devices, Inc
QFN32



[ADUM4160BRIZ](#)

Analog Devices, Inc
SOIC-16