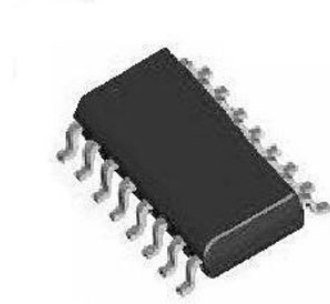


Driver 0.2A 2-OUT High and Low Side Half Brdg Non-Inv 16-Pin SOIC W Tube

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



Images are for reference only

Please submit RFQ for ADUM6132ARWZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADuM6132 is an isolated half-bridge gate driver that employs the Analog Devices, Inc., iCoupler® technology to provide an isolated high-side driver with an integrated 275 mW high-side supply. This supply, provided by an internal isolated dc-to-dc converter, powers not only the ADuM6132 high-side output but also any external buffer circuitry that is commonly used with the ADuM6132. This functionality eliminates the cost, space, and performance issues associated with external supply configurations such as a bootstrap circuit.

The architecture of the ADuM6132 isolates the high-side channel and the high-side power from the control and low-side interface circuitry. Care has been taken to ensure close matching between the high-side and low-side driver timing characteristics to reduce the need for a dead time margin.

In comparison to gate drivers that employ high voltage level translation methodologies, the ADuM6132 offers the benefit of true, galvanic isolation. The differential voltage between high-side and low-side channels can be as high as 800 V with good insulation lifetime (see Table 12).

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 details on board layout considerations.

Features

isoPower integrated isolated high-side supply

275 mW isolated dc-to-dc converter

200 mA output sink current, 200 mA output source current

High common-mode transient immunity: >50 kV/μs

Wide-body 16-lead SOIC package

Safety and regulatory approvals

UL recognition 3750 V rms for 1 minute per UL 1577

CSA Component Acceptance Notice #5ACSA/IEC 60950-1, 400 V rms

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

Application

MOSFET/IGBT Gate Drivers

Motor Drives

Solar Panel Inverters

Power Supplies

Related Products



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Analog Devices, Inc
QFP-48



[ADUM3223CRZ](#)

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[ADV7171KSU](#)

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TQFP44



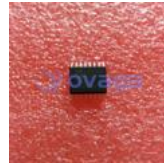
[AD6645ASQZ-105](#)

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