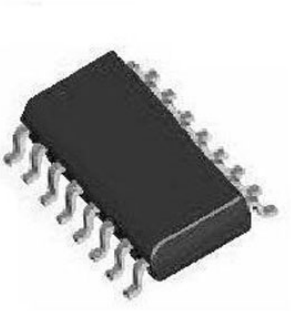
ADUM1233BRWZ

Data Sheet

Isolator Interface IC IsolatedPrecHalf-BridgeDriv0.1AAmp

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



Images are for reference only

Please submit RFQ for ADUM1233BRWZ or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

By avoiding the use of LEDs and photodiodes, this iCoupler gate drive device is able to provide precision timing characteristics not possible with optocouplers. Furthermore, the reliability and performance stability problems associated with optocoupler LEDs are avoided.

In comparison to gate drivers employing high voltage level translation methodologies, the ADuM1233 offers the benefit of true, galvanic isolation between the input and each output. Each output can be operated up to ±700 VPEAK relative to the input, thereby supporting low-side switching to negative voltages. The differential voltage between the high side and low side can be as high as 700 VPEAK.

As a result, the ADuM1233 provides reliable control over the switching characteristics of IGBT/MOSFET configurations over a wide range of positive or negative switching voltages.

Features

Isolated high-side and low-side outputs

High side or low side relative to input: ±700 VPEAK

High-side/low-side differential: 700 VPEAK

0.1 A peak output current

High frequency operation: 5 MHz maximum

High common-mode transient immunity: >75 kV/µs

High temperature operation: 105°C

Wide body, 16-lead SOIC

Safety and regulatory approvals

UL recognition2500 V rms for 1 minute per UL 1577

VDE certificate of conformityDIN V VDE V 0884-10 (VDE V 0884-10):>

Application

Isolated IGBT/MOSFET gate drives

Plasma displays

Industrial inverters

Switching power supplies

Related Products

ADV7123KST140

Analog Devices, Inc

QFP-48

ADUM7223ACCZ

Analog Devices, Inc

LGA-13

ADUM3223CRZ

Analog Devices, Inc

SOIC-16

ADUM1234BRWZ

Analog Devices, Inc

SOIC-16

ADV7171KSU

Analog Devices, Inc

TQFP44

AD6645ASQZ-80

Analog Devices, Inc

QFP52

AD6645ASQZ-105

Analog Devices, Inc

QFP-52

AD9731BR

Analog Devices, Inc

SOP-28