

Fast, robust, dual-channel, reinforced isolated MOSFET gate drivers with accurate and stable timing

Manufacturers	<a href="#">Infineon Technologies Corporation</a>
Package/Case	PG-DSO-16
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for 2EDS8265HXUMA2 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The EiceDRIVER™ 2EDS8265H and 2EDS8165H are reinforced isolated gate drivers for secondary-side control over the mandatory safe isolation barrier in SMPS. The 2EDS8265H strong 4A/8A source/sink dual-channel gate driver comes with a very high 150V/ns CMTI (Common Mode Transient Immunity) for robust operation with fast CoolMOS™ and high power switching noise environment.

The very fast propagation delay of 37ns is provided with low variation over temperature and production which enables the power system design to achieve higher efficiency through very tight timing control across the safety isolation barrier. The 2EDS8165H with 1A/2A is available for smaller MOSFETs or PWM signal/data decoupling for very high power designs working with local boost drivers. Safety certificates in accordance with UL1577, VDE0884-10, IEC62368 and IEC60950 will be provided with these devices. The 2EDFS8xx5H parts come in wide-body 300 mil DSO16 packages.

## Features

Fast switching with accurate timing

Optimized for area and system BOM

Robust against switching noise

Output- to-output channel isolation

Input-to-output channel isolation

Efficiency gain and lower losses

Improved thermal behavior at smaller form factor

Protection and safe operation

Flexible configurations

Regulatory safety

Enabling higher system efficiency and higher power density designs

Improving long term competitive cost position, integration and mass manufacturability

Extending end-product lifetime by improving safe operation of power switches in normal and abnormal field (grid) conditions

Lower EMI by ground isolation, driver proximity to MOSFETs or when using 4-pin Kelvin source MOSFETs

Simplified safety approval through component (VDE884-x, UL1577 and system (IEC60950, IEC62368) certificates

## Application

Telecom DC-DC

Server

Industrial SMPS

UPS

Battery

EV-Charging

Smart Grid

## Related Products



### [BTS442E2-E3062A](#)

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TO263



### [SAK-C504-2E24M](#)

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MQFP-44



### [BTSS0452EKA](#)

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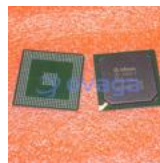
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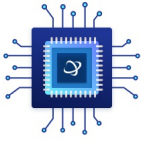
### [BSP452E6327](#)

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**BTT6030-2ERA**

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**BTS5030-2E**

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