

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

Manufacturers	<a href="#">Infineon Technologies Corporation</a>
Package/Case	PG-DSO-16-11
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for 2EDF7275FXUMA2 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The EiceDRIVER™ 2EDF7x75F is the perfect fit for robust and stable operation for primary side control of high- and low-side MOSFETs in noisy high-power switching environments. The strong 4A/8A source/sink dual-channel gate drivers provide a fast turn on/off when driving high- and medium-voltage MOSFETs such as CoolMOS™ or OptiMOS™. Both output channels are individually isolated and can be flexibly deployed as floating gate drivers with very high 150V/ns CMTI (Common Mode Noise Immunity).

The  $V_{DDi}$  input supply supports a wide voltage range SLDO mode to save on-board LDOs. For slower switching or driving smaller MOSFETs, a 1A/2A peak current product variant, the EiceDRIVER™ 2EDF7175F, is available in the DSO-16 narrow body package with 4mm creepage distance.

## Features

Fast power switching with accurate timing

Optimized for area and low cost system BOM

Robust design against switching noise

Output-to-output channel isolation

Input-to-output channel isolation

Power efficiency and high resolution PWM control

Cooler package at smaller form factor

Protection and safe operation

Flexible assignment of any driver channel

Floating gate drive & regulatory safety

Enabling higher power stage efficiency and higher power density designs

Improving long term competitive cost position, integration and mass manufacturability

Improved end-product lifetime by improved safe operation of power switches

Lower EMI by ground isolation, driver proximity to MOSFETs or use of Kelvin source MOSFETs

Meeting requirements to build isolated AC-DC, DC-DC half bridges topologies

## Application

Telecom DC-DC

Server

Industrial SMPS

UPS

Battery

EV-Charging

Smart Grid

## Related Products



### [BTS442E2-E3062A](#)

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TO263



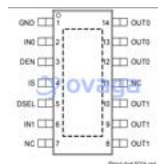
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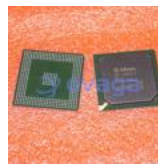
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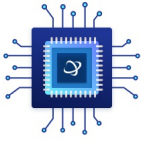
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