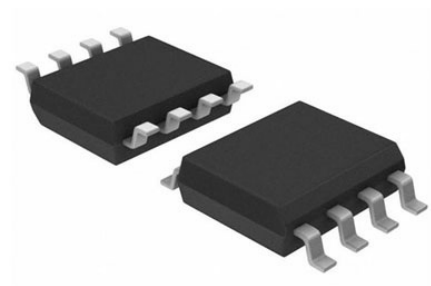


Manufacturers	Infineon Technologies Corporation
Package/Case	PG-DSO-8
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for 1EDB8275FXUMA1 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The EiceDRIVER™ 1EDB8275F provides an input-to-output isolation of 3 kV_{rms} . With a propagation delay accuracy of $+6/-4\text{ ns}$, the gate driver is optimized for fast-switching applications with high system-level efficiencies. To support functionally safe system operation the common-mode transient immunity (CMTI) exceeds 300 V/ns , the typical output stage clamping speed is as short as 20 ns , and output-stage undervoltage lock-out (UVLO) of 8.0 V .

The 1EDB8275F is available in an 8-pin DSO package. The industry-standard pinout has separate source and sink output pins to ease application design tasks. This single-channel isolated gate driver IC solves PCB-layout problems in high-power factor controllers (PFC) and high-voltage DCDC stages. Applications also include multi-level topologies and use-cases with $557\text{ V}_{\text{rms}}$ working voltage (pollution class II).

3 kV_{rms} galvanic isolation

UL 1577 certification

300 V/ns CMTI

Low output impedance

$+6/-4\text{ ns}$ propagation delay accuracy

20 ns (typ.) output clamping speed

UVLO_OFF of 8 V

Excellent immunity against switching noise

Hardware-based protection to stay in safe operation area (SOA)

Shoot-through protection during start-up

Low MOSFET switching-losses

Low dead-time losses

Server SMPS

Telecom SMPS

EV-Charger

DC/AC

UPS

Features

3 kV

rms

UL 1577 certification

300 V/ns CMTI

Low output impedance

20 ns (typ.) output clamping speed

UVLO_OFF of 8 V

Excellent immunity against switching noise

Hardware-based protection to stay in safe operation area (SOA)

Shoot-through protection during start-up

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Application

Server SMPS

Telecom SMPS

EV-Charger

DC/AC

UPS

Related Products



[BTT6050-1EKA](#)

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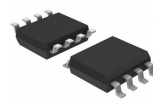
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Infineon Technologies Corporation
SOP14



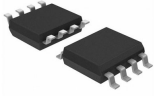
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Infineon Technologies Corporation
HSOP-20



[1ED020H12FTA](#)

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PG-DSO-20



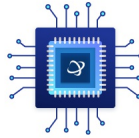
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Infineon Technologies Corporation
PG-DSO-20

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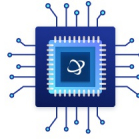


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