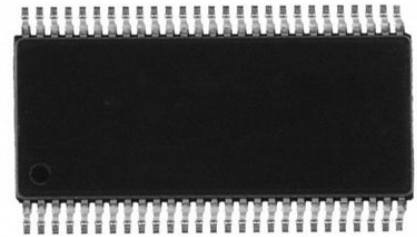


Dual Galvanic Isolated MOSFET Power Driver, -5 A, 5 A, 4.5 → 20 V 8-Pin, DSO

Manufacturers	Infineon Technologies Corporation
Package/Case	8-SOIC (0.154, 3.90mm Width)
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for 2EDN8524FXTMA1 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The input signals are low voltage TTL and 3.3V CMOS-compatible with a very broad voltage handling capability of up to +20V and down to -10VDC. The unique ability to handle -10VDC at the input pins protects the device against ground bouncing. Each of the two outputs is able to sink and source a 5A current utilizing a true rail-to-rail output stage, which ensures very low impedances of 0.7Ω up to the positive and 0.55Ω down to the negative rail respectively.

Excellent channel to channel delay matching, typ. 1ns, enables risk-free doubling of the source and sink capability up to 10A peak through paralleling of both channels. The combination of industry standard pin-outs and different logic input/output configurations guarantee high flexibility and shortens R&D time. The gate driver is available in the three package options: PG-DSO-8-pin, PG-VDSON-8-pin and PG-TDSSO-8-pin (small form-factor, improved thermal performance compared to DSO-8).

Features

5A peak source/sink current

5ns (typ.) rise/fall times

8V UVLO option

19 ns (typ.) propagation delay for both, for control inputs and for enable

robustness

Outputs robust against reverse current

2 independent channels

Industry standard pin-out and packages

Fast Miller plateau transition

Precise timing

Fast and reliable MOSFET turn-off, independent of control IC

Increased GND-bounce robustness

Saves switching diodes

Option to increase drive current by truly concurrent switching of 2 channels

Straight-forward design up-grades

Application

DC-DC converters

Related Products



[2ED300C17-ST](#)

Infineon Technologies Corporation
AG-EICE-45



[BTT60302EKAXUMA1](#)

Infineon Technologies Corporation
SOP-14



[TLE7182EM](#)

Infineon Technologies Corporation
SSOP24



[TLE8386-2EL](#)

Infineon Technologies Corporation
SOP-14



[TLE4263-2ES](#)

Infineon Technologies Corporation
SOP-8



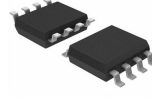
[BTS432E2E3043](#)

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SSOP36



[2EDL05N06PF](#)

Infineon Technologies Corporation
8-DSO