

Driver 5A 2-OUT Low Side Non-Inv 8-Pin WSON EP T/R

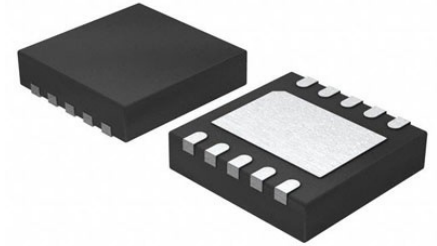
Manufacturer: [Infineon Technologies Corporation](#)

Package/Case: WSON-8

Product Type: Drivers

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active



Images are for reference only

[Inquiry](#)

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).

Key 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

Recommended For You

2ED300C17-S

Infineon Technologies Corporation
MODULE

TLE94112ELXUMA1

Infineon Technologies Corporation
SSOP24

2ED020I12-FI

Infineon Technologies Corporation
SOP-18

BTS70202EPAXUMA1

Infineon Technologies Corporation
PG-TSDSO-14

BTS70802EPAXUMA1

Infineon Technologies Corporation
TSSOP14

2EDN7524FXTMA1

Infineon Technologies Corporation
SOP-8

BTS70082EPAXUMA1

Infineon Technologies Corporation
TSSOP14

2EDF7275KXUMA1

Infineon Technologies Corporation
PG-TFLGA-13-1

2ED020I12FAXUMA2

Infineon Technologies Corporation
PG-DSO-36-58

BTT61002ERAXUMA1

Infineon Technologies Corporation
SOP14

BTS71202EPAXUMA1

Infineon Technologies Corporation
TSSOP14

BTS72002EPAXUMA1

Infineon Technologies Corporation
TSDSO-14

BTF60702ERVXUMA1

Infineon Technologies Corporation

TDSO-14

BTT60302ERAXUMA1

Infineon Technologies Corporation

SOP-14

BTS51202EKAXUMA1

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SOP14