

## Driver 5A 2-OUT Low Side Non-Inv Automotive 8-Pin DSO T/R



Images are for reference only

[Inquiry](#)

**Manufacturer:** [Infineon Technologies Corporation](#)

**Package/Case:** SOP-8

**Product Type:** Drivers

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

### 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  $0.7\Omega$  up to the positive and  $0.55\Omega$  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-VDSO-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

### 2EDN7524GXTMA1

Infineon Technologies Corporation  
WSON-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**

Infineon Technologies Corporation

SOP14