

Driver 6.2A 1-OUT High Side Half Brdg Inv/Non-Inv 8-Pin DSO T/R



Images are for reference only

[Inquiry](#)

Manufacturer: [Infineon Technologies Corporation](#)

Package/Case: SOP8

Product Type: Drivers

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

EiceDRIVER Compact single-channel isolated gate driver with 5.9/6.2 A typical sinking and sourcing peak output current in DSO-8 narrow package with 4 mm creepage distance for IGBTs, MOSFETs and SiC MOSFETs. 1EDI30I12MF belongs to the EiceDRIVER 1ED Compact 150mil family (1ED-MF family). 1EDI30I12MF offers active Miller clamp, 240 ns input filter, accurate and stable timing.

Key Features

EiceDRIVER Compact single channel isolated gate driver family

For 600 V, 650 V, 1200 V IGBTs, SiC and Si MOSFETs

Galvanically isolated coreless transformer gate driver

6.2 A typical sinking and sourcing peak output current

20 V absolute maximum output supply voltage

300 ns propagation delay with 240 ns input filter

High common-mode transient immunity CMTI >100 kV/μs

Active Miller clamp

Short-circuit clamping and active shutdown

DSO-8 150 mil narrow-body package with 4 mm creepage distance

10.5 V/12.7 V undervoltage lockout (UVLO) protection with hysteresis

Active Miller clamp to prevent parasitic turn on, ideal for driving CoolSiC SiC MOSFET and TRENCHSTOP IGBT7

Integrated filters reduce the need of external filters

Wide input voltage operating range

Suitable for operation at high ambient temperature and in fast switching applications

No need to adapt signal voltage levels between μController and driver

Active shutdown to ensure a safe IGBT off-state in case the output chip is not connected to the power

Short-circuit clamping to limit the gate voltage during short circuit

Recommended For You

1ED020112-F2

Infineon Technologies Corporation

SOP16

1EDN7550UXTSA1

Infineon Technologies Corporation

TSNP6

BTS70021EPPXUMA1

Infineon Technologies Corporation

TSDSO-14

TLF50211ELXUMA2

Infineon Technologies Corporation

SSOP-14

1EDN7512BXTSA1

Infineon Technologies Corporation

SOT23-5

1ED3123MC12HXUMA1

Infineon Technologies Corporation

PG-DSO-8

1EDN7511BXUSA1

Infineon Technologies Corporation

SOT23-6

1EDC40112AHXUMA1

Infineon Technologies Corporation

PG-DSO-8-59

BTS70041EPPXUMA1

Infineon Technologies Corporation

TSSOP14

1ED020I12FA2XUMA2

Infineon Technologies Corporation

PG-DSO-20

BTT60101ERAXUMA1

Infineon Technologies Corporation

PG-TDSO-14

BTS70101EPAXUMA1

Infineon Technologies Corporation

TSSOP14

BIS70081EPPXUMA1

Infineon Technologies Corporation

PG-TSDSO-14

BTS50901EJAXUMA1

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SOP8

TLS810B1EJV50XUMA1

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SOP8