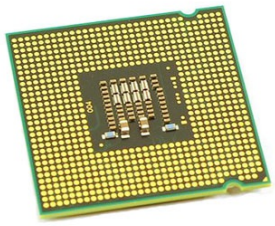
2EDF7275KXUMA1

Driver 4A 2-OUT High and Low Side Half Brdg Non-Inv 13-Pin TFLGA T/R

Manufacturer:	Infineon Technologies Corporation
Package/Case:	PG-TFLGA-13-1
Product Type:	Drivers
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Unconfirmed



Images are for reference only

Inquiry

General Description

The EiceDRIVER™ 2EDF72x5K is a functional isolated gate driver designed for high-performance DC-DC medium-voltage, half- and full-bridge topologies. The 4A/8A source/sink currents, combined with a low 37ns propagation delay and the highly accurate timing over both temperature and production, are the perfect fit for high-frequency PWM control with tightest possible dead time windows, delivering highest conversion efficiency.

The very low impedance of the gate driver output stages keeps the driver package and PCB cooler, which is a key benefit in high density power brick converters. The device's 4V UVLO and dead time control ensure that OptiMOS™ half-bridge MOSFETs always run within their safe operating area. A CMTI of 150V/ns guarantees high robustness even for fast switching transients (di/dt) in the power loop. The EiceDRIVER™ 2EDF7235K includes programmable DTC (dead time control) and an inverted SLDOP mode. All devices can operate in low cost bootstrapped high side supply and come in a cost competitive, small form factor LGA13 5mm x 5mm package.

Key Features

Fast power switching with accurate timing

Optimized for area and low cost system BOM

Robust design against switching noise

Output- to-output channel isolation

Input-to-output channel isolation

Efficiency gain and lower losses

Improved thermal behavior at smaller form factor

Protection and safe operation

Flexible configurations

Regulatory safety

Enabling higher system e iciency and higher power density designs

Improving cost position, integration and mass manufacturability

Extending end-product lifetime by improving safe operation of power switches and reliable PWM communication and PWM signal chain in abnormal conditions

Lowering EMI by ground isolation, driver proximity to MOSFETs or use of Kelvin Source MOSFETs

Meeting all isolation requirements of standard DC-DC equipment

Application

Telecom DC-DC

Server

Industrial SMPS

UPS

Battery

EV-Charging

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

2EDN7524GXTMA1

Infineon Technologies Corporation

WSON-8

BTS70082EPAXUMA1

Infineon Technologies Corporation

TSSOP14

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

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TDSO-14

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SOP-14

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