Industrial galvanic isolated gate driver ICs
Selection guide 2018

www.infineon.com/gatedriver
www.infineon.com/1EDcompact
### EiceDRIVER™ Enhanced Gate Driver ICs

**1200 V Galvanically Isolated Enhanced Gate Driver ICs**

The EiceDRIVER™ Enhanced gate driver ICs are galvanic isolated single channel IGBT and SiC MOSFET drivers in DSO-36 package that provide output current capabilities of typically 2 A. The precision DESAT function is an excellent solution for SiC MOSFET short-circuit protection. All logic pins are 5 V CMOS compatible.

### Product Features
- **Available in wide body package with 8 mm creepage distance**
- **Suitable for operation at high ambient temperature**
- **Active Miller clamp**
- **Short circuit clamping and active shutdown**
- **≥ 100 kV/µs CMTI**
- **Precision DESAT protection**

### Table: EiceDRIVER™ Enhanced Gate Driver ICs

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<tr>
<th>Product Code</th>
<th>Configuration</th>
<th>Package</th>
<th>Package (all 300 mil)</th>
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### Gate Driver Support Tools

- Infineon Gate Drivers Home Page
- Simulation Tools
- Gate Driver X-Reference
- Gate Driver Selection Guide Brochure
- Gate Driver Finder Tool

### Driving SiC MOSFETs

Every isolated EiceDRIVER™ IC is well-suited to drive SiC MOSFETs such as the ultra-fast switching 1200-V CoolSiC™ power MOSFETs.

The drivers incorporate most important key features and parameters for SiC driving such as tight propagation delay matching, precise input filters, wide output-side supply range, negative gate voltage capability or Miller clamping, and extended CMTI capability.

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### Coreless Transformer (CT) Technology

Galvanically isolated EiceDRIVER™ ICs based on our coreless transformer (CT) technology which uses semiconductor manufacturing processes to integrate an on-chip transformer consisting of metal spirals and silicon oxide insulation. The on-chip transformers are used for transmitting switching information between input chip and output chip which are galvanically isolated.

### SiC

- www.infineon.com/SiC-gd
- www.infineon.com/SiC-MOS
Where to buy

Infineon distribution partners and sales offices:
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› Germany ....................... 0800 951 951 951 (German/English)
› China, mainland ........ 4001 200 951 (Mandarin/English)
› India .......................... 000 800 4402 951 (English)
› USA ............................ 1-866 951 9519 (English/German)
› Other countries ........... 00* 800 951 951 951 (English/German)
› Direct access ............. +49 89 234-0 (interconnection fee, German/English)

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