

EiceDRIVER™ – IGBT Gate Driver ICs with Coreless Transformer Technology



Applications:
industrial drives,
UPS, welding
and various
applications

INFINEON TECHNOLOGIES offers with its new EiceDRIVER™ family two new outstanding IGBT Gate Driver ICs for applications up to 1,200 V blocking voltage. Both products are based on the coreless transformer technology which combines the advantages of fast inductive signal transmission and isolation with compact IC driver stage design.

THE **1ED020112-S** is a single channel IGBT Gate Driver IC in a PG-DSO-16 package providing galvanic isolation according to VDE 0884-10 (draft). Features like V_{CEsat} -detection, two-level-turn-off, bidirectional signal transmission and Active Miller Clamp complete the picture of this new Driver IC which will become a new standard in the IGBT power stage design for medium- and high-power applications.

Key features:

- Single channel isolated IGBT Driver
- For 600 V/1,200V IGBTs
- Bidirectional signal transmission
- 2 A rail-to-rail output
- V_{CEsat} -detection
- Two-level-turn-off
- Active Miller Clamp

THE **2ED020112-FI** is a two channel Driver IC offering a reliable and cost-effective solution for driving IGBT power stages which provides air and creepage distances up to 900 V link voltage. The IC is included in a PG-DSO-18 package. Important protection features are already integrated.

Key features:

- IEC 61000-4-4 compliant
- Tolerant to negative transient voltage
- Matched propagation delay for both channels
- 3.3V and 5V TTL-compatible inputs
- UVLO, shutdown and interlock inputs
- Floating channel designed for direct supply and bootstrap operation

For module information please go to: www.infineon.com/igbtmodules

www.infineon.com/gatedriver

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Never stop thinking