

IGBT

High speed DuoPack IGBT in Trench and Fieldstop technology with soft, fast recovery anti-parallel diode

IKW40N60H3

600V DuoPack IGBT and Diode
High speed switching series third generation

Data sheet

High speed DuoPack: IGBT in Trench and Fieldstop technology with soft, fast recovery anti-parallel diode

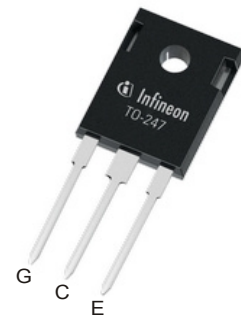
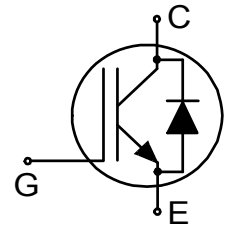
Features:

TRENCHSTOP™ technology offering

- very low V_{CEsat}
- low EMI
- Very soft, fast recovery anti-parallel diode
- maximum junction temperature 175°C
- qualified according to JEDEC for target applications
- Pb-free lead plating; RoHS compliant
- complete product spectrum and PSpice Models:
<http://www.infineon.com/igbt/>

Applications:

- uninterruptible power supplies
- welding converters
- converters with high switching frequency



Key Performance and Package Parameters

| Type | V_{CE} | I_C | $V_{CEsat}, T_{vj}=25^{\circ}C$ | T_{vjmax} | Marking | Package |
|------------|----------|-------|---------------------------------|-------------|---------|------------|
| IKW40N60H3 | 600V | 40A | 1.95V | 175°C | K40H603 | PG-TO247-3 |