

## IGBT

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

## IKW20N60H3

600V high speed switching series third generation

Data sheet

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

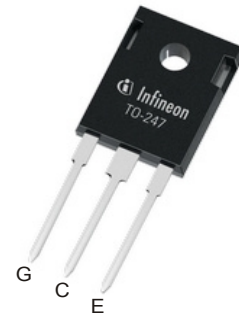
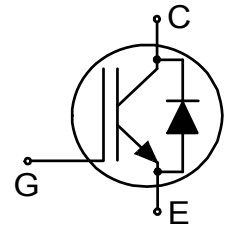
#### Features:

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       | $V_{CE}$ | $I_C$ | $V_{CEsat}, T_{vj}=25^\circ\text{C}$ | $T_{vjmax}$ | Marking | Package    |
|------------|----------|-------|--------------------------------------|-------------|---------|------------|
| IKW20N60H3 | 600V     | 20A   | 1.95V                                | 175°C       | K20H603 | PG-TO247-3 |