

IGBT

High speed IGBT in Trench and Fieldstop technology

IGB30N60H3

600V high speed switching series third generation

Data sheet

Industrial Power Control

High speed IGBT in Trench and Fieldstop technology

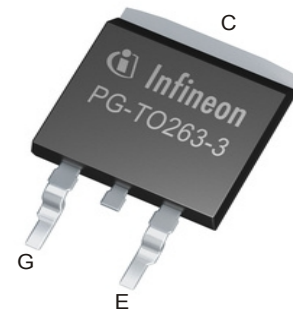
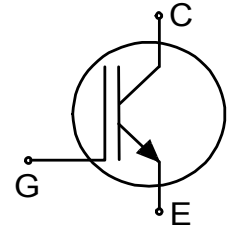
Features:

TRENCHSTOP™ technology offering

- very low turn-off energy
- low V_{CEsat}
- low EMI
- maximum junction temperature 175°C
- qualified according to JEDEC for target applications
- Pb-free lead plating, halogen-free mould compound, 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 |
|------------|----------|-------|---------------------------------|-------------|---------|------------|
| IGB30N60H3 | 600V | 30A | 1.95V | 175°C | G30H603 | PG-TO263-3 |