

IGBT

High speed 5 FAST IGBT in TRENCHSTOP™ 5 technology

IGP20N65F5

650V IGBT high speed switching series fifth generation

Data sheet

Industrial Power Control

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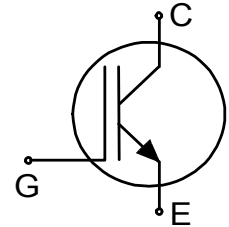
Features and Benefits:

High speed F5 technology offering

- Best-in-Class efficiency in hard switching and resonant topologies
- 650V breakdown voltage
- Low Q_g
- Ideal fit with SiC Schottky Diode in boost converters
- 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/>

Target Applications:

- Solar converters
- Uninterruptible power supplies
- Welding converters
- Mid to high range switching frequency converters



Key Performance and Package Parameters

| Type | V_{CE} | I_C | $V_{CEsat}, T_{vj}=25^{\circ}C$ | T_{vjmax} | Marking | Package |
|------------|----------|-------|---------------------------------|-------------|---------|------------|
| IGP20N65F5 | 650V | 20A | 1.6V | 175°C | G20EF5 | PG-TO220-3 |