

## IGBT

High speed 5 IGBT in TRENCHSTOP™ 5 technology

## IGP20N65H5

650V IGBT high speed switching series fifth generation

Data sheet

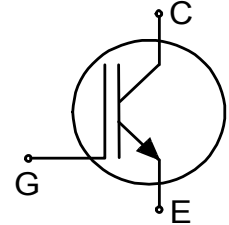
High speed 5 IGBT in TRENCHSTOP™ 5 technology

**Features and Benefits:**

- High speed H5 technology offering
- Best-in-Class efficiency in hard switching and resonant topologies
  - Plug and play replacement of previous generation IGBTs
  - 650V breakdown voltage
  - Low  $Q_g$
  - 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:**

- 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
IGP20N65H5	650V	20A	1.65V	175°C	G20EH5	PG-TO220-3