

IGBT

High speed 5 IGBT in TRENCHSTOP™ 5 technology

IGP40N65H5, IGW40N65H5

650V IGBT high speed switching series fifth generation

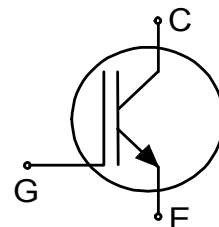
Data sheet

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 gate charge 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

Package pin definition:

- Pin 1 - gate
- Pin 2 & backside - collector
- Pin 3 - emitter



Key Performance and Package Parameters

Type	V_{CE}	I_C	$V_{CEsat}, T_{vj}=25^\circ C$	T_{vjmax}	Marking	Package
IGP40N65H5	650V	40A	1.65V	175°C	G40EH5	PG-TO220-3
IGW40N65H5	650V	40A	1.65V	175°C	G40EH5	PG-TO247-3