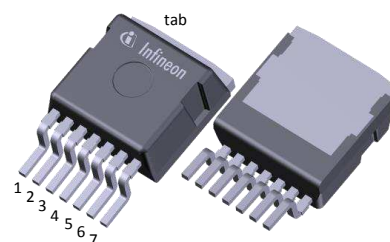
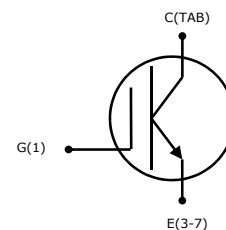


High speed switching series fifth generation

High speed FAST IGBT in TRENCHSTOP™ 5 F5 technology

Features and Benefits:

- Best-in-Class efficiency in hard switching and resonant topologies
- 650V breakdown voltage
- Low gate charge Q_G
- Maximum junction temperature 175°C
- Dynamically stress tested
- Qualified according to AEC-Q101
- Pb-free lead plating; RoHS compliant
- Innovative high creepage D2PAK SMD package
- Complete product spectrum and PSpice Models: <http://www.infineon.com/igbt/>



Applications:

- Off-board charger
- On-board charger
- DC/DC converter
- Power-factor correction

Package pin definition:

- Pin 1 : Gate
- Pin 2 : No Connect
- Pin 3-7 : Emitter
- Backside : Collector



Key Performance and Package Parameters

Type	V_{CE}	I_C	$V_{CEsat}, T_{vj}=25^{\circ}C$	T_{vjmax}	Marking	Package
AIGBE40N65F5	650V	40A	1.6V	175°C	AGE40EF5	PG-TO263-7-11



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