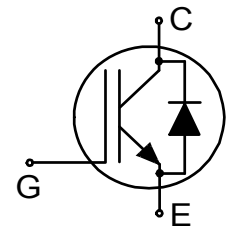


Hybrid CoolSiC™ IGBT

TRENCHSTOP™ 5 H5 IGBT co-packed with half-rated 6th generation CoolSiC™ Schottky barrier diode

Features and Benefits:

- Ultra-low switching losses due to the combination of TRENCHSTOP™ 5 and CoolSiC™ technology
- Benchmark efficiency in hard switching topologies
- Plug-and-play replacement of pure silicon devices
- 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/>



Potential Applications:

- Industrial Power Supplies
 - Industrial SMPS
 - Industrial UPS
- Energy Generation
 - Solar String Inverter
- Energy Distribution
 - Energy Storage
- Infrastructure – Charge
 - Charger



Product Validation:

Qualified for applications listed above based on the test conditions in the relevant tests of JEDEC20/22

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°C	T _{vjmax}	Marking	Package
IKW75N65RH5	650V	75A	1.65V	175°C	K75ERH5	PG-TO247-3

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