

IGBT

High speed DuoPack: IGBT in Trench and Fieldstop technology with soft, fast recovery anti-parallel diode

IKW60N60H3

600V high speed switching series third generation

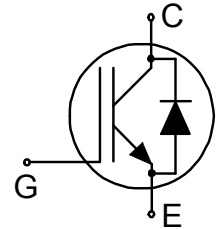
Data sheet

High speed IGBT in Trench and Fieldstop technology

Features:

TRENCHSTOP™ technology offering

- very low turn-off energy
- low V_{CEsat}
- low EMI
- maximum junction temperature 175°C
- qualified according to JEDEC for target applications
- Pb-free lead plating, halogen-free mould compound, RoHS compliant
- complete product spectrum and PSpice Models:
<http://www.infineon.com/igbt/>



Applications:

- uninterruptible power supplies
- welding converters
- converters with high switching frequency

Package pin definition:

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



Key Performance and Package Parameters

Type	V_{CE}	I_C	$V_{CEsat}, T_{vj}=25^\circ\text{C}$	T_{vjmax}	Marking	Package
IKW60N60H3	600V	60A	1.85V	175°C	K60H603	PG-TO247-3