

IGBT

TRENCHSTOP™ Performance technology copacked with RAPID 1
fast anti-parallel diode

IKW50N60DTP

600V DuoPack IGBT and diode
TRENCHSTOP™ Performance series

Data sheet

High speed IGBT in Trench and Fieldstop technology

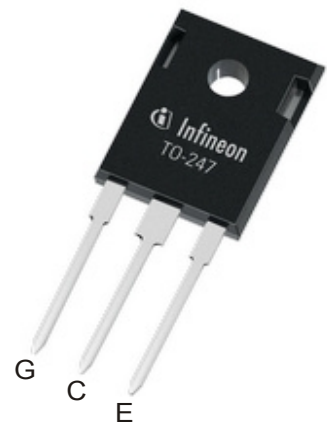
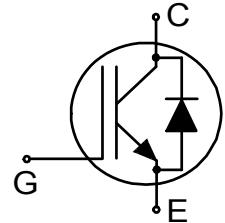
Features:

TRENCHSTOP™ technology offering

- very low V_{CEsat}
- low turn-off losses
- short tail current
- low EMI
- Very soft, fast recovery anti-parallel diode
- 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:

- drives
- solar inverters
- uninterruptible power supplies
- converters with medium switching frequency



Key Performance and Package Parameters

Type	V_{CE}	I_C	$V_{CEsat}, T_{vj}=25^\circ\text{C}$	T_{vjmax}	Marking	Package
IKW50N60DTP	600V	50A	1.6V	175°C	K50DDTP	PG-TO247-3