

## IGBT

High speed 5 FAST IGBT in TRENCHSTOP™ 5 technology copacked with RAPID 1 fast and soft antiparallel diode

## IKA08N65F5

650V DuoPack IGBT and Diode  
High speed switching series fifth generation

Data sheet

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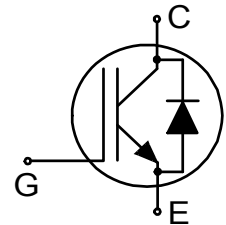
**Features and Benefits:**

High speed F5 technology offering

- Best-in-Class efficiency in hard switching and resonant topologies
- 650V breakdown voltage
- Low  $Q_G$
- IGBT copacked with RAPID 1 fast and soft antiparallel 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:**

- Solar converters
- Uninterruptible power supplies
- Welding converters
- Mid to high range switching frequency converters



**Key Performance and Package Parameters**

Type	$V_{CE}$	$I_C$	$V_{CEsat}, T_{vj}=25^{\circ}C$	$T_{vjmax}$	Marking	Package
IKA08N65F5	650V	8A	1.6V	175°C	K08EEF5	PG-TO220-3 FP