

## Reverse Conduction Series

Reverse conducting IGBT with monolithic body diode

**IKW40N65WR5**

Data sheet

Industrial Power Control

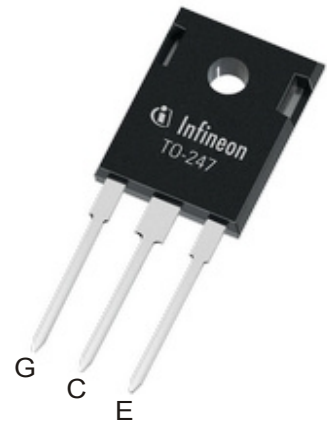
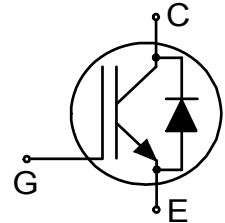
Reverse conducting IGBT with monolithic body diode

**Features:**

- Powerful monolithic diode optimized for ZCS applications
- TRENCHSTOP™ 5 technology applications offers:
  - high ruggedness, temperature stable behavior
  - very low  $V_{CEsat}$  and low  $E_{off}$
  - easy parallel switching capability due to positive temperature coefficient in  $V_{CEsat}$
- Low EMI
- Low electrical parameters depending (dependence) on temperature
- Qualified according to JESD-022 for target applications
- Pb-free lead plating; RoHS compliant
- Complete product spectrum and PSpice Models:  
<http://www.infineon.com/igbt/>

**Applications:**

- Welding
- PFC
- ZCS - converters



**Key Performance and Package Parameters**

Type	$V_{CE}$	$I_C$	$V_{CEsat}, T_{vj}=25^{\circ}C$	$T_{vjmax}$	Marking	Package
IKW40N65WR5	650V	40A	1.4V	175°C	K40EWR5	PG-TO247-3