

## Resonant Switching Series

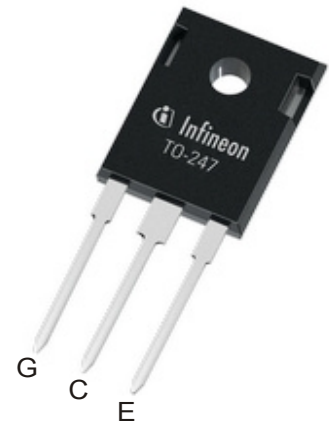
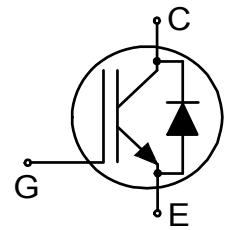
## Reverse Conducting IGBT with monolithic body diode

**Features:**

- Powerful monolithic body diode with low forward voltage designed for soft commutation
- TRENCHSTOP™ technology offering:
  - very tight parameter distribution
  - high ruggedness, temperature stable behavior
  - low  $V_{CEsat}$
  - easy parallel switching capability due to positive temperature coefficient in  $V_{CEsat}$
- Low EMI
- Qualified according to JESD-022 for target applications
- Pb-free lead plating; RoHS compliant
- Halogen free (according to IEC 61249-2-21)
- Complete product spectrum and PSpice Models:  
<http://www.infineon.com/igbt/>

**Applications:**

- Induction cooking
- Microwave ovens

**Key Performance and Package Parameters**

Type	$V_{CE}$	$I_C$	$V_{CEsat}, T_{vj}=25^{\circ}\text{C}$	$T_{vjmax}$	Marking	Package
IHW30N135R5	1350V	30A	1.65V	175°C	H30PR5	PG-TO247-3

### Table of Contents

Description .....	1
Table of Contents .....	2
Maximum Ratings .....	3
Thermal Resistance .....	3
Electrical Characteristics .....	4
Electrical Characteristics Diagrams .....	6
Package Drawing .....	12
Testing Conditions .....	13
Revision History .....	14
Disclaimer .....	15