

Resonant Switching Series

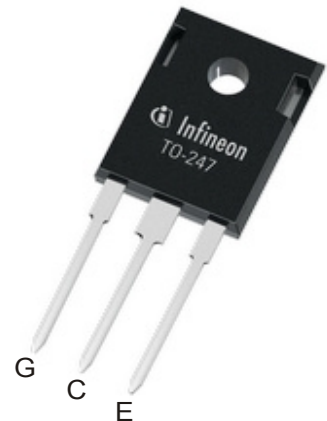
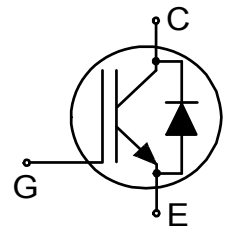
Reverse Conducting IGBT with monolithic body diode

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 |
|-------------|----------|-------|--|-------------|---------|------------|
| IHW40N135R5 | 1350V | 40A | 1.65V | 175°C | H40PR5 | PG-TO247-3 |

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