

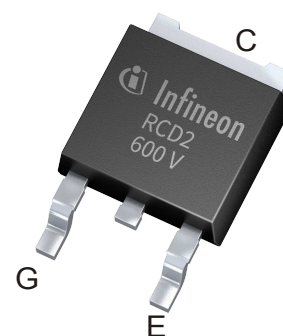
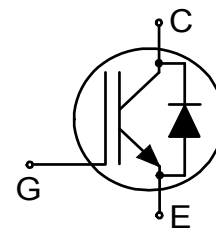
## TRENCHSTOP™ RC-Series for hard switching applications

### Cost effective monolithically integrated IGBT with Diode

#### Features:

TRENCHSTOP™ Reverse Conducting (RC) technology for 600V applications offering

- Very tight parameter distribution
- Operating range up to 20kHz
- Maximum junction temperature 175°C
- Short circuit capability of 3μs
- Humidity robust design
- Pb-free lead plating; RoHS compliant
- Complete product spectrum and PSpice Models:  
<http://www.infineon.com/rc-d2>



#### Potential Applications:

- Major Home Appliances
  - Air Conditioning
  - Refrigerators
- Drives
  - GPD (General Purpose Drives)

#### Product Validation:

Qualified for industrial applications according to the relevant tests of JEDEC47/20/22



#### Key Performance and Package Parameters

Type	V <sub>CE</sub>	I <sub>C</sub>	V <sub>CEsat</sub> , T <sub>vj</sub> =25°C	T <sub>vjmax</sub>	Marking	Package
IKD06N60RC2	600V	6A	2V	175°C	K6DRC2	PG-TO252-3

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