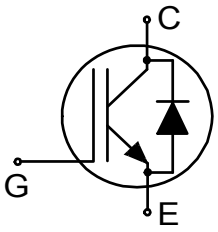
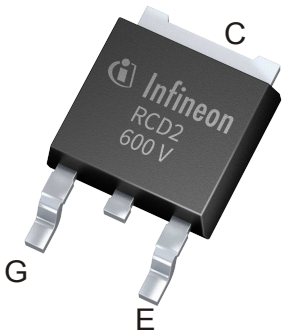
TRENCHSTOP™ RC-Series for hard switching applications

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

Green

Halogen-Free

RoHS

Key Performance and Package Parameters

Type	V_{CE}	I_C	V_{CEsat}, T_{vj}=25°C	T_{vjmax}	Marking	Package
IKD10N60RC2	600V	10A	2V	175°C	K10DRC2	PG-TO252-3

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