

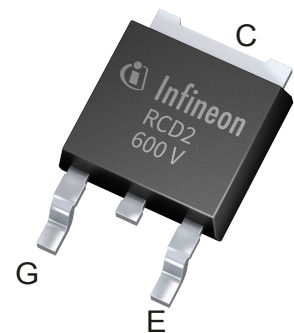
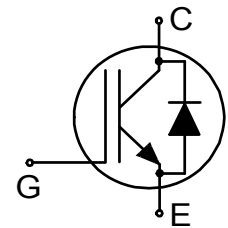
TRENCHSTOP™ RC-Series for hard switching applications

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 _{CE}	I _C	V _{CEsat} , T _{vj} =25°C	T _{vjmax}	Marking	Package
IKD15N60RC2	600V	15A	2V	175°C	K15DRC2	PG-TO252-3

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