

IGBT

IGBT with integrated diode in packages offering space saving advantage

IKD03N60RF

TRENCHSTOP™ RC-Series for hard switching applications up to 30 kHz

Data sheet

TRENCHSTOP™ RC-Drives Fast Series

IGBT with integrated diode in packages offering space saving advantage

Features:

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

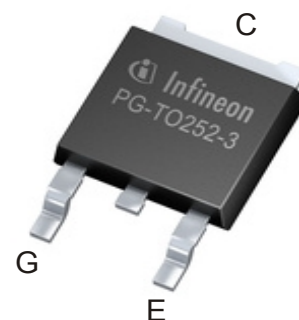
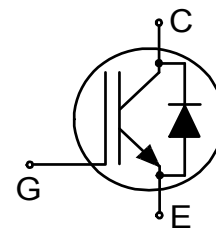
- Optimized Eon, Eoff and Qrr for low switching losses
- Operating range of 4 to 30kHz
- Smooth switching performance leading to low EMI levels
- Very tight parameter distribution
- Maximum junction temperature 175°C
- Short circuit capability of 5µs
- Best in class current versus package size performance
- Qualified according to JEDEC for target applications
- Pb-free lead plating; RoHS compliant (solder temperature 260°C, MSL1)

Complete product spectrum and PSpice Models:
<http://www.infineon.com/igbt/>

Applications:

Domestic and industrial drives:

- Compressors
- Pumps
- Fans



Key Performance and Package Parameters

Type	V _{CE}	I _C	V _{CEsat} , T _{vj} =25°C	T _{vjmax}	Marking	Package
IKD03N60RF	600V	2.5A	2.2V	175°C	K03R60F	PG-TO252-3