

## TRENCHSTOP™ RC-Drives Fast Series

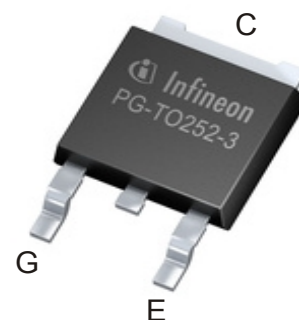
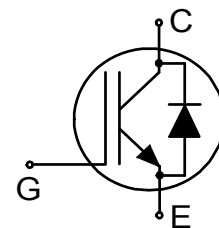
IGBT with integrated diode in packages offering space saving advantage

### 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
- Dynamically stress tested
- Short circuit capability of 5µs
- Best in class current versus package size performance
- Qualified according to AEC-Q101
- Pb-free lead plating; RoHS compliant (solder temperature 260°C, MSL1)

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



### Applications:

- Small drives
- Piezo injection
- Automotive lighting / HID



### 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
AIHD06N60RF	600V	6A	2.2V	175°C	AH06DRF	PG-T0252-3



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