

TRENCHSTOP™ IGBT6

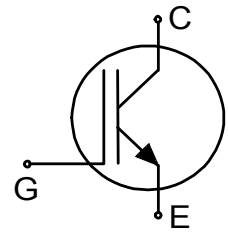
IGBT in trench and field-stop technology

Features and Benefits:

- Very low $V_{CE(sat)}$ 1.5V (typ.)
- Maximum junction temperature 175°C
- Short circuit withstand time 3μs

Trench and field-stop technology for 650V applications offers :

- very tight parameter distribution
- high ruggedness, temperature stable behavior
- low V_{CEsat} and positive temperature coefficient
- Low gate charge Q_G
- Pb-free lead plating; RoHS compliant
- Complete product spectrum and PLECS Models:
www.infineon.com/igbt

**Potential Applications:**

Drives

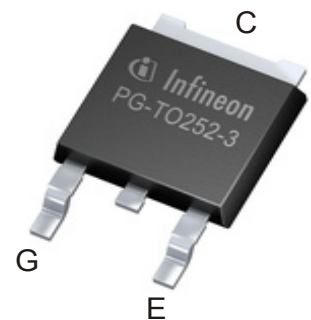
- GPD (general purpose drives)

Major home appliances

- Air conditioning
- Other major home appliances

Small home appliances

- Other small home appliances

**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	$V_{CEsat}, T_{vj}=25^{\circ}C$	T_{vjmax}	Marking	Package
IGD15N65T6	650V	15A	1.5V	175°C	G15ET6	PG-TO252-3

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