

## Product Overview

### NGTB10N60FG: IGBT N-Channel, 600V, 10A, VCE(sat)=1.5V, TO-220F-3FS

For complete documentation, see the data sheet.

NGTB10N60FG is N-Channel IGBT, 600V, 10A, VCE(sat)=1.5V, TO-220F-3FS.

### Features

- IGBT VCE(sat)=1.5V typ (IC=10A, VGE=15V)
- IGBT IC=20A (Tc=25°C)
- Adaption of full isolation type package
- 5µs short circuit capability
- Diode VF=1.3V typ (IF=10A)
- Diode trr=70ns typ
- Enhancement type

### Applications

- Power factor correction of white goods appliance
- General purpose inverter

### End Products

- Sewing machine
- Dishwasher
- Refrigerator
- Clothes Washer

### Part Electrical Specifications

Product	Compliance	Status	V <sub>ES</sub> <sup>(BR)C</sup> Typ (V)	I <sub>C</sub> Max (A)	V <sub>GE(sat)</sub> Typ (V)	V <sub>F</sub> Typ (V)	E <sub>off</sub> Typ (mJ)	E <sub>on</sub> Typ (mJ)	T <sub>rr</sub> Typ (ns)	I <sub>rr</sub> Typ (A)	Gate Charge Typ (nC)	Short Circuit Withstand (µs)	E <sub>AS</sub> Typ (mJ)	P <sub>D</sub> Max (W)	Co- Pack aged Diode	Package Type
NGTB10N60FG	Pb-free Halide free	Active	600	10	1.5	1.3	-	-	70	-	55	5	-	40	Yes	TO-220-3 Full Pack

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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