

## Product Overview

### FGB5N60UNDF: IGBT, 600V, 5A, Short Circuit Rated

For complete documentation, see the data sheet.

Using advanced NPT IGBT technology, Fairchild's the NPT IGBTs offer the optimum performance for low-power inverter-driven applications where low-losses and short-circuit ruggedness features are essential, such as sewing machine, CNC, motor control and home appliances.

### Features

- Short circuit rated 10us
- High current capability
- High input impedance
- Fast switching
- RoHS compliant

### Applications

- Motion Control - Home Appliance

### Part Electrical Specifications

Product	Compliance	Status	$V_{ES}^{(BR)C}$ Typ (V)	$I_C$ Max (A)	$V_{CE(sat)}$ Typ (V)	$V_F$ Typ (V)	$E_{off}$ Typ (mJ)	$E_{on}$ Typ (mJ)	$T_{rr}$ Typ (ns)	$I_{rr}$ Typ (A)	Gate Charge Typ (nC)	Short Circuit Withstand ( $\mu$ s)	$E_{AS}$ Typ (mJ)	$P_D$ Max (W)	Co- Pack aged Diode	Pack age Type
FGB5N60UNDF	Pb-free Halide free	Active	600	5	1.9	1.7	0.07	0.08	87	-	12.1	-	-	73.5	Yes	D2PA K-3 / TO- 263-2

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