

## Product Overview

### FGH60N60UFD: IGBT, 600V, 20A, 1.8V, TO-247 Low VCE(ON) Field Stop

For complete documentation, see the data sheet.

Using novel field stop IGBT technology, Fairchild's field stop IGBTs offer the optimum performance for solar inverter, UPS, welder and PFC applications where low conduction and switching losses are essential.

### Features

- High current capability
- Low saturation voltage:  $V_{CE(sat)} = 1.9V @ I_C = 60A$
- High input impedance
- Fast switching:  $E_{OFF} = 14\mu J/A$
- RoHS compliant

### Applications

- Energy Generation & Distribution

### 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)	$I_r$ 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
FGH60N60UFDTU	Pb-free Halide free	Active	600	60	1.8	1.7	0.81	2.47	47	-	192	-	-	298	Yes	TO-247-3

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

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