

## Product Overview

### FGH40N60SF: IGBT, 600V, 40A, 2.3V, TO-247 High Speed 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:  $V_{CE(sat)}=2.3\text{ V @ }I_C=40\text{A}$
- High Input Impedance
- Fast switching:  $E_{OFF} = 8\mu\text{J/A}$
- RoHS compliant

### Applications

- Other Industrial

### 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 ( $\mu\text{s}$ )	$E_{AS}$ Typ (mJ)	$P_D$ Max (W)	Co-Pack aged Diode	Package Type
FGH40N60SFTU	Pb-free Halide free	Active	600	40	2.3	-	0.31	1.13	-	-	120	-	-	290	No	TO-247-3

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

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