

Product Overview

FGH60N60SF_F085: 600V, 60A, 2.2V, TO-247 High Speed, Field Stop IGBT

For complete documentation, see the data sheet.

Using Novel Field Stop IGBT Technology, Fairchild's new series of Field Stop IGBTs offer the optimum performance for Automotive Chargers, Inverter, and other applications where low conduction and switching losses are essential.

Features

- High Current Capability
- Low Saturation Voltage: $V_{CE(sat)} = 2.2\text{ V @ } I_C = 60\text{ A}$
- High Input Impedance
- Fast Switching
- RoHS Compliant
- Qualified to Automotive Requirements of AEC-Q101

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 (μ s)	E_{AS} Typ (mJ)	P_D Max (W)	Co- Pack aged Diode	Pack age Type
FGH60N60SFDTU-F085	AEC Qualified PPAP Capable Pb-free	Active	600													TO- 247-3

For more information please contact your local sales support at www.onsemi.com.

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