

Product Overview

FGH40N65UFD: IGBT, 650V, 40A, 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: $V_{CE(sat)} = 1.8V @ I_C = 40A$
- High Input Impedance
- Fast switching: $E_{OFF} = 12\mu J/A$
- 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_T Typ (A)	Gate Charge Typ (nC)	Short Circuit Withstand (μs)	E_{AS} Typ (mJ)	P_D Max (W)	Co-Pack aged Diode	Pack age Type
FGH40N65UFDTU	Pb-free Halide free	Active	650	40	1.8	1.8	0.79	1.62	65	-	119	-	-	290	Yes	TO-247-3

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

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