

Product Overview

FGH40T100SMD: IGBT, 1000V, 40A, Field Stop Trench

For complete documentation, see the data sheet.

Using innovative field stop trench IGBT technology, Fairchild's new series of field stop trench IGBTs offer the optimum performance for hard switching application such as UPS, welder and PFC applications.

Features

- High current capability
- Low saturation voltage: $V_{CE(sat)} = 1.9V(Typ.) @ I_C = 40A$
- High input impedance
- Fast switching
- RoHS compliant

Applications

- Uninterruptible Power Supply
- Other Industrial

Part Electrical Specifications

Product	Compliance	Status	$V_{ES}^{(BR)C}$ Typ (V)	I_C Max (A)	$V_{GE(sat)}$ 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	Package Type
FGH40T100SMD	Pb-free	Active	1000	40	1.9	3.4	1.15	2.35	256	-	265	-	-	333	Yes	TO-247-3
FGH40T100SMD-F155	Pb-free Halide free	Active	1000			3.4	1.15	2.35		-	265	-	-	333		TO-247-3

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

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