

Product Overview

FGH75T65SHDTLN4: IGBT, 650 V, 75 A Field Stop Trench

For complete documentation, see the data sheet.

Using novel field stop IGBT technology, Fairchild's new series of field stop 3rd generation IGBTs offer the optimum performance for solar inverter, UPS, welder, telecom, ESS and PFC applications where low conduction and switching losses are essential.

Features

- Maximum Junction Temperature: $T_J = 175^\circ\text{C}$
- Positive Temperature Co-efficient for Easy Parallel Operating
- High Current Capability
- Low Saturation Voltage: $V_{CE(sat)} = 1.6\text{ V(Typ.) @ } I_C = 75\text{ A}$
- 100% of the Parts Tested for $I_{LM}(1)$
- High Input Impedance
- Fast Switching
- Tighten Parameter Distribution
- RoHS Compliant

Applications

- High performance Power conversion - inverter
- High performance power conversion - PFC

End Products

- UPS
- Solar inverter

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 (μs)	E_{AS} Typ (mJ)	P_D Max (W)	Co-Pack aged Diode	Pack age Type
FGH75T65SHDTLN4	Pb-free Halide free	Active														TO-247 4-LEAD THIN LEADS

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

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