

Product Overview

FGA30N120FTD: IGBT, 1200V, 30A, Field Stop Trench

For complete documentation, see the data sheet.

Using advanced field stop trench technology, Fairchild's 1200V trench IGBTs offer superior conduction and switching performances for soft switching applications. The device can operate in parallel configuration with exceptional avalanche ruggedness. This device is designed for induction heating and microwave oven.

Features

- Field stop trench technology
- High speed switching
- Low saturation voltage: $V_{CE(sat)} = 1.6V @ I_C = 30A$
- High input impedance

Applications

- Consumer Appliances

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 Withs tand (μ s)	E_{AS} Typ (mJ)	P_D Max (W)	Co- Pack aged Diode	Pack age Type
FGA30N120FTDTU	Pb-free	Active	1200	30	1.6	1.3	1.16	0.54	775	43	208	-	-	339	Yes	TO-3P-3L

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

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