

## Product Overview

### FGL35N120FTD: IGBT, 1200V, 35A, Field Stop Trench

For complete documentation, see the data sheet.

Using advanced field stop trench IGBT technology, Fairchild's 1200V trench IGBTs offer the optimum performance for hard switching application such as solar inverter, UPS, welder applications.

### Features

- Field stop trench technology
- High speed switching
- Low saturation voltage:  $V_{CE(sat)} = 1.68 \text{ V @ } I_C = 35\text{A}$
- High input impedance

### Applications

- Energy Generation & Distribution
- Uninterruptible Power Supply

### 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 ( $\mu$ s)	$E_{AS}$ Typ (mJ)	$P_D$ Max (W)	Co- Pack aged Diode	Pack age Type
FGL35N120FTDTU	Pb-free	Active	1200	35	1.68	2.7	1.7	2.5	520	7.6	210	-	-	368	Yes	TO-264-3

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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