

Product Overview

FGA50N100BNTD: IGBT, 1000V, NPT Trench

For complete documentation, see the data sheet.

Using Fairchild's proprietary trench design and advanced NPT technology, the 1000V NPT IGBT offers superior conduction and switching performances, high avalanche ruggedness and easy parallel operation. This device offers the optimum performance for hard switching application such as UPS, welder, induction heating and microwave oven applications.

Features

- High Speed Switching
- Low Saturation Voltage: $V_{CE(sat)} = 2.5V @ I_C = 60A$
- High Input Impedance

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 Withs tand (μ s)	E_{AS} Typ (mJ)	P_D Max (W)	Co- Pack aged Diode	Pack age Type
FGA50N100BNTDTU	Pb-free	Active	1000	35	2.5	1.2	-	-	1.2	-	275	-	-	156	Yes	TO-3P-3L

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

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