

## Product Overview

### FGAF40N60UF: IGBT, 600V, PT

For complete documentation, see the data sheet.

Fairchild's UF series of IGBTs provide low conduction and switching losses. The UF series is designed for applications such as general inverters and PFC where high speed switching is a required feature.

### Features

- High speed switching:  $E_{off} = 12\mu\text{J}/\text{A}$
- Low saturation voltage :  $V_{CE(sat)} = 2.3\text{ V} @ I_C = 20\text{A}$
- High input impedance

### Applications

- Motion Control - Home Appliance

### 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)	$I_{rr}$ Typ (A)	Gate Charge Typ (nC)	Short Circuit Withstand ( $\mu\text{s}$ )	$E_{AS}$ Typ (mJ)	$P_D$ Max (W)	Co- Pack aged Diode	Pack age Type
FGAF40N60UFTU	Pb-free	Active	600	20	2.3	-	0.13	0.47	-	-	77	-	-	100	No	TO-3PF-3L

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

Created on: 2/22/2019