

## Product Overview

### FGB20N60SFD: IGBT, 600V, 20A, Field Stop

For complete documentation, see the data sheet.

Using novel field stop IGBT technology, Fairchild's field stop IGBTs offer the optimum performance for solar inverter, UPS, welder and PFC applications where low conduction and switching losses are essential.

### Features

- High current capability
- Low saturation voltage:  $V_{CE(sat)} = 2.2V @ I_C = 20A$
- High input impedance
- Fast switching:  $E_{OFF} = 8\mu J/A$
- RoHS compliant

### Applications

- Other Industrial

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
FGB20N60SFD	Pb-free Halide free	Active	600	20	2.2	1.9	0.16	0.37	57	-	65	-	-	208	Yes	D2PA K-3 / TO- 263-2

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

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