

Product Overview

FGA20S140P: IGBT, 1400V, 20A, Shorted-anode

For complete documentation, see the data sheet.

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

Features

- High speed switching
- Low saturation voltage: $V_{CE(sat)} = 1.9V @ I_C = 20A$
- High input impedance
- RoHS compliant

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 Withstand (μ s)	E_{AS} Typ (mJ)	P_D Max (W)	Co- Pack aged Diode	Pack age Type
FGA20S140P	Pb-free	Active	1400	20	1.9	1.7	0.56	0.76	-	-	203.5	-	-	272	Yes	TO-3P-3L

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

Created on: 7/20/2019