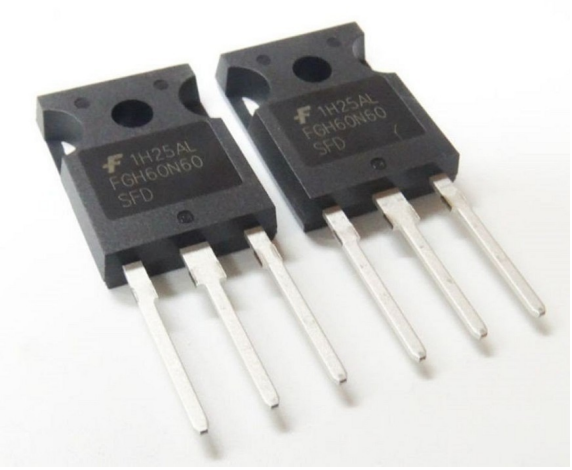
FGH60N60SFD



Šifra proizvoda: 2560-2489
Proizvođač: El. Mat

1 584 RSD

Neto cena: 1 320 RSD

Opis proizvoda

General Description

Using Novel Field Stop IGBT Technology,

Fairchild’s new series of Field Stop IGBTs offer the optimum performance for Induction Heating,

UPS, SMPS and PFC applications where low conduction and switching losses are essential.

FGH60N60SFD

600V, 60A Field Stop IGBT

Features

• High current capability

• Low saturation voltage: VCE(sat) =2.3V @ IC = 60A

• High input impedance

• Fast switching

• RoHS compliant

Deklaracija

- **Naziv proizvođača:** El. Mat
- **Neto težina:** 0.1 kg
- **Bruto težina:** 0.1 kg
- **Marka proizvoda:** El. Mat
- **EAN kod:** 047141

FAIRCHILD

March 2015

FGH60N60SFD

600 V, 60 A Field Stop IGBT

Features

- High Current Capability
- Low Saturation Voltage: $V_{CE(sat)}$ = 2.3 V @ I_C = 60 A
- High Input Impedance
- Fast Switching
- RoHS Compliant

Applications

- Solar Inverter, UPS, Welder, PFC

General Description

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.

Absolute Maximum Ratings

Symbol	Description		Ratings	Unit
V_{CES}	Collector to Emitter Voltage		600	V
V_{GES}	Gate to Emitter Voltage		±20	V
	Transient Gate-to-Emitter Voltage		±30	
I_C	Collector Current	@ T_C = 25°C	120	A
	Collector Current	@ T_C = 100°C	60	A
$I_{CM\ (1)}$	Pulsed Collector Current	@ T_C = 25°C	180	A
P_D	Maximum Power Dissipation	@ T_C = 25°C	378	W
	Maximum Power Dissipation	@ T_C = 100°C	151	W
T_J	Operating Junction Temperature		-55 to +150	°C
T_{stg}	Storage Temperature Range		-55 to +150	°C
T_L	Maximum Lead Temp. for soldering Purposes, 1/8" from case for 5 seconds		300	°C