

Product Overview

FGD3N60UNDF: IGBT, 600V, 3A, Short Circuit Rated

For complete documentation, see the data sheet.

Using advanced NPT IGBT Technology, Fairchild's the NPT IGBTs offer the optimum performance for low power inverter-driven applications where low-losses and short circuit ruggedness feature are essential.

Features

- Short circuit rated 10us
- High current capability
- High input impedance
- Fast switching
- RoHS compliant

Part Electrical Specifications

| Product | Compliance | Status | $V_{ES}^{(BR)C}$ Typ (V) | I_C Max (A) | $V_{CE(sa)}$ 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 |
|-------------|------------------------|--------|--------------------------------|---------------------|----------------------------|---------------------|--------------------------|-------------------------|-------------------------|------------------------|-------------------------------|---|-------------------------|---------------------|------------------------------|------------------------------|
| FGD3N60UNDF | Pb-free Halide free | Active | 600 | 3 | 2 | 1.7 | 0.3 | 0.52 | 21 | - | 1.6 | 10 | - | 60 | Yes | DPA K-3 / TO- 252-3 |

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

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