

## Product Overview

### FGP5N60LS: IGBT, 600V, 5A, Field Stop

For complete documentation, see the data sheet.

Using novel field stop IGBT technology, Fairchild's new series of field stop IGBTs offer the optimum performance for HID ballast where low conduction losses are essential.

### Features

- High current capability
- Low saturation voltage:  $V_{CE(sat)} = 1.7V @ I_C = 5A$
- High input impedance
- RoHS compliant

### Applications

- Other Industrial

### Part Electrical Specifications

| Product   | Compliance | Status | $V_{ES}^{(BR)/C}$<br>Typ<br>(V) | $I_C$<br>Max<br>(A) | $V_{CE(sat)}$<br>Typ<br>(V) | $V_F$<br>Typ<br>(V) | $E_{off}$<br>Typ<br>(mJ) | $E_{on}$<br>Typ<br>(mJ) | $T_{rr}$<br>Typ<br>(ns) | $I_r$<br>Typ<br>(A) | Gate<br>Charge<br>Typ<br>(nC) | Short<br>Circuit<br>Withstand<br>( $\mu$ s) | $E_{AS}$<br>Typ<br>(mJ) | $P_D$<br>Max<br>(W) | Co-<br>Pack<br>aged<br>Diode | Pack<br>age<br>Type |
|-----------|------------|--------|---------------------------------|---------------------|-----------------------------|---------------------|--------------------------|-------------------------|-------------------------|---------------------|-------------------------------|---------------------------------------------|-------------------------|---------------------|------------------------------|---------------------|
| FGP5N60LS | Pb-free    | Active | 600                             | 5                   | 1.7                         | -                   | 130                      | 38                      | -                       | -                   | 18.3                          | -                                           | -                       | 83                  | No                           | TO-220-3            |

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

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