

Slew Rate Controlled Load Switch

Features

- 2.0V to 5.5V Input Voltage Range
- Very Low $R_{DS(ON)}$, Typically $85m\Omega$ (5V)
- Typical Current Limited is 2.5A at $V_{CC}=5V$
- Slew Rate Limited Turn-On Time 1.5ms (5V)
- Fast Shutdown Load Discharge
- TTL/CMOS Input Logic Level
- No Reverse Output Current
- SOT-23-5 Package

Applications

- Cellular Telephones
- Digital Still Cameras
- Hot Swap Supplies
- Notebook Computers
- Personal Communication Devices
- Personal Digital Assistants (PDAs)

General Description

The G5285 is a N-channel MOSFET power switch designed for high-side load-switching applications, and the device has a typical $R_{DS(ON)}$ of $85m\Omega$ and the output current is limited to 2A. The G5285 has a slew rate limited turnon load switch and offers a shutdown load discharge circuit to rapidly turn off a load circuit when the switch is disabled.

The G5285 operates with an input voltage ranging from 2.0V to 5.5V. It is suitable for both 3V and 5V systems. The G5285 also features an under voltage lock out which turns the switch off when an input under-voltage condition exists. Input logic levels are TTL and 2.5V to 5V CMOS compatible. In shutdown mode, the supply current decreases to less than $1\mu A$. The G5285 is available in a SOT-23-5 package.

Ordering Information

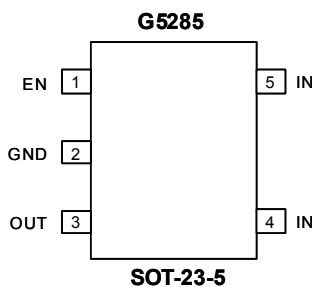
| ORDER NUMBER | MARKING | TEMP. RANGE | PACKAGE (Pb free) |
|--------------|---------|---------------|-------------------|
| G5285T11U | 5285x | -40°C to 85°C | SOT-23-5 |

Note: T1: SOT-23-5

1: Bonding Code

U: Tape & Reel

Pin Configuration



Typical Application Circuit

