Slew Rate Controlled Load Switch

Features

- **1.5V to 5.5V Input Voltage Range**
- **Very Low $R_{DS(ON)}$, Typically 80mΩ (5V)**
- **Slew Rate Limited Turn-On Time 1ms (5V)**
- **Fast Load Discharge Pin**
- **TTL/CMOS Input Logic Level**
- **TDFN1.6X1.6-6 Package**

Applications

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

General Description

The G5287 is a single P-channel MOSFET power switch designed for high-side load-switching applications. The MOSFET has a typical $R_{DS(ON)}$ of 80mΩ at V_{CC}=5V, allowing increased load switch current handling capacity with a low forward voltage drop. The G5287 has a slew rate limited turn-on load switch and offers a shutdown load discharge pin connected to OUT to rapidly turn off a load circuit when the switch is disabled.

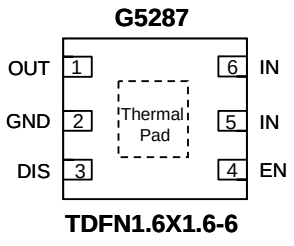
The G5287 operates with an input voltage from 1.5V up to 5.5V. It is suitable for 1.8V, 3V and 5V systems. Input logic levels are TTL and 2.5V to 5V CMOS compatible. The typical quiescent supply current is 4μA. In shutdown mode, the supply current decreases to less than 1μA. The G5287 is available in a 6 pin TDFN 1.6X1.6mm package.

Ordering Information

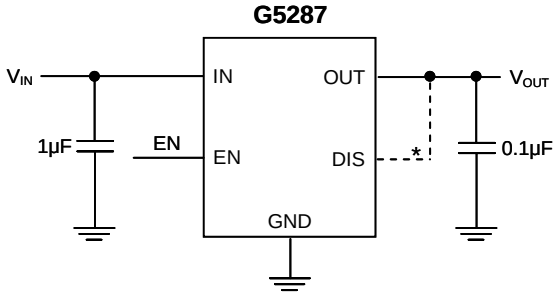
ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Green)
G5287RR1U	5287	-40°C~ +85°C	TDFN1.6X1.6-6

Note: RR: TDFN1.6X1.6-6
1: Bonding Code
U: Tape & Reel

Pin Configuration



Typical Application Circuit



* For Applications with Output Discharge