

Dual Slew Rate Controlled Load Switch

Features

- 1.5V to 5.5V Input Voltage Range
- Very Low $R_{DS(ON)}$, Typically 74m Ω (5V)
- Slew Rate Limited Turn-On Time 1ms (5V)
- Fast Shutdown Load Discharge
- TTL/CMOS Input Logic Level
- TDFN2X2-8 Package

Applications

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

General Description

The G5283 is a dual P-channel MOSFET power switch designed for high-side load-switching applications. Each MOSFET has a typical $R_{DS(ON)}$ of 74m Ω at $V_{CC}=5V$, allowing increased load switch current handling capacity with a low forward voltage drop. The G5283 has a slew rate limited turn-on load switch and offers a shutdown load discharge circuit to rapidly turn off a load circuit when the switch is disabled. An additional feature is a slew-rate selector pin which can switch between fast and slow slew rate.

The G5283 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 4 μA each channel. In shutdown mode, the supply current decreases to less than 1 μA . The G5283 is available in a 8 pin TDFN 2X2mm package.

Ordering Information

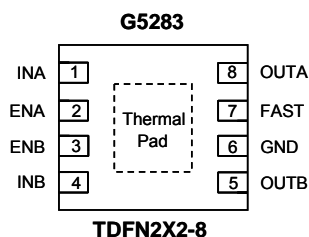
ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Green)
G5283RC1U	5283	-40°C~ +85°C	TDFN2X2-8

Note: RC: TDFN2X2-8

1: Bonding Code

U: Tape & Reel

Pin Configuration



Typical Application Circuit

