

Ultra-Low Loss Load Switch

Features

- 0.6V to 5.5V Input Voltage Range
- Very Low $R_{DS(ON)}$, Typically 12m
- Minimum Current Limited is 9A
- Programmable Soft Start
- Fast Shutdown Load Discharge
- Short Circuit Protection
- Thermal Protection
- 8 Pin ADFN Package

Applications

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

General Description

The G5198 is a N-channel MOSFET power switch designed for high-side load-switching applications, and the device has a typical $R_{DS(ON)}$ of 12m and the output current is limited to 9A. The G5198 has a programmable turn-on load switch and offers a shutdown load discharge circuit to rapidly turn off a load circuit when the switch is disabled.

The G5198 operates with an input voltage ranging from 0.6V to 5.5V. The G5198 also features an under voltage lock out which turns the switch off when an input under-voltage condition exists. In shutdown mode, the supply current decreases to about 2 μ A. The G5198 is available in 8 pin ADFN package.

Ordering Information

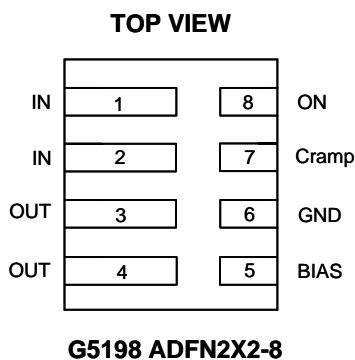
ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Green)
G5198AB1U	5198	-40°C to 85°C	ADFN2X2-8

Note: AB: ADFN2X2-8

1: Bonding Code

U: Tape & Reel

Pin Configuration



Typical Application Circuit

