

Preliminary Specifications Subject to Change without Notice

DESCRIPTION

JW[®]7109 is a low on-resistance dual channel fast turn on load switch with programmable turn-on rise time. It contains two n-channel MOSFETS that can provide 6A maximum continuous current per channel. Each channel can operate over an input voltage range of 0.8V to 2.5V.

Each channel can be independently controlled by a low-voltage control signal through EN1/EN2 pin. In JW7109, a 200Ω load resistor is integrated for quick output discharge when load switch is turned off. The optional external capacitor connected to SS1/SS2 is used for output slew rate control.

FEATURES

- Operating range : 0.8V ~ 2.5V
- Low quiescent current
80uA (both channels)
60uA (single channel)

- Low ON-resistance
- Integrated dual-channel
Up to 6A maximum load current per channel
- Low-voltage enable control
- Externally programmable rise time
- Quick output discharge
- Thermal shutdown
- Available in DFN14 package

APPLICATIONS

- Portable Computers
- Tablet PCs
- Consumer Electronics
- Set-top Boxes and Residential Gateways
- Telecom Systems
- Solid-State Drives (SSD)

Company's Logo is Protected, "JW" and "JOULWATT" are Registered Trademarks of JoulWatt technology Inc.

TYPICAL APPLICATION

