

Features

- Integrated Single Channel Load Switch
- Supply Voltage Range (VBIAS): 2.5V~5.5V
- Wide Input Voltage Range (VIN): 0.8V~VBIAS
- Ultra Low On-resistance: 16mΩ
- 6A Maximum Continuous Switch Current
- Adjustable Rise Time
- Quick Output Discharge
- Low Threshold Control Inputs
- Low Quiescent Current
- Built-in UVLO and OTP
- VDFN8-2x2 Package
- Green Product (RoHS, Lead-Free, Halogen-Free Compliant)

Applications

- Notebooks
- AIO PC

General Description

The GS7631 is a single channel, ultra low on-resistance load switch with external soft start control. This device contains an N-channel MOSFET that can deliver maximum 6A continuous load current.

The GS7631 integrates an internal 100Ω resistor for quick output discharge when switch is turned off.

The GS7631 includes thermal shutdown to prevent the switch from damage.

The GS7631 is available in the thermally efficient VDFN8-2x2 package.