

Features

- 2.5V to 5.5V Input Voltage Range
- Integrated NMOSFET
 $R_{DS(ON)}=22m\Omega$ (Typ.) @ SOT-23-5
 $R_{DS(ON)}=28m\Omega$ (Typ.) @ SOP-8 and MSOP-8
- 2.0ms Max. Rise Time and Fast Turn off
- 100uA Quiescent Supply Current
- Less Than 2uA Shutdown Current
- Less Than 10uA Reverse Leakage Current
- SOT-23-5,MSOP-8, SOP-8 Package
- Green Product (RoHS, Lead-Free, Halogen-Free Compliant)
- UL Approved: E470137
- TuV Approved: R_50361216
- CB Approved: JPTUV-076035

General Description

The GS7615 Power Switch is a fast turn on power Switch; the Max. rise time is 2.0ms. This device contains a NMOSFET that can operate over an input voltage range of 2.5V to 5.5V. Several Protection features include soft start function to limit inrush current, current limiting and thermal shutdown to prevent catastrophic switch failure caused by increasing power dissipation when continuous heavy loads or short circuit occurs.

Applications

- Notebook and Desktop PCs
- PDAs/Smart phones
- Digital Cameras

Typical Application

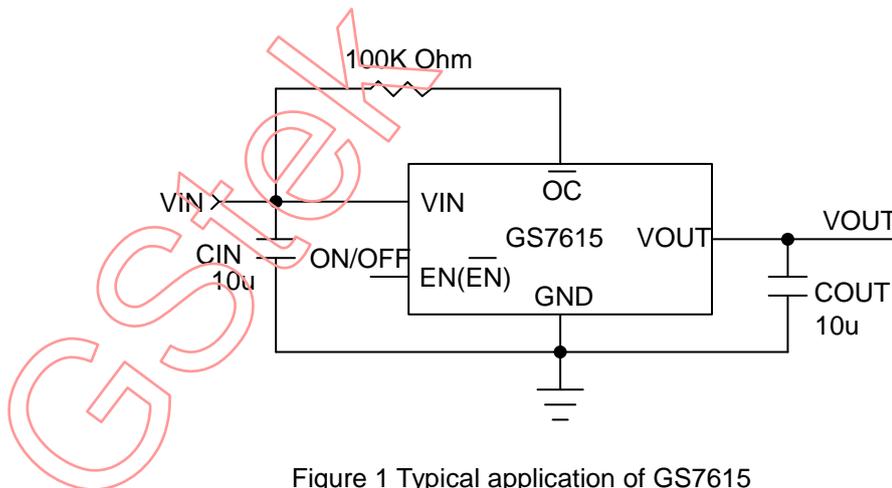


Figure 1 Typical application of GS7615

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