

Features

- Optimized for fast transient response
- Low Shutdown Current~0.2uA (Typ.)
- Output Current~300mA
- 2.7~5.5V Operation
- ±1.5% Initial Voltage Accuracy
- Short Circuit Current Fold-back
- Programmable Soft-Start
- Low Temperature Drift Coefficient ~50ppm
- Line Regulation ~0.06%/V(Typ.)
- Low ESR Capacitor ~2.2uF ceramic capacitor
- TDFN6-2x2、SOT-23-5、SOT-353、TQFN9-1.5x1.5 and package
- Green Product (RoHS, Lead-Free, Halogen-Free Compliant)

Applications

- Portable communication equipment
- Notebook Computer
- Battery Powered Systems

General Description

The GS7137 is a CMOS linear regulator optimized for fast transient response. It guarantees delivery of 300mA output current. The device is available in fixed output voltage from 1.2V to 4.0V.

Based on its low quiescent current consumption and its less than 1uA shutdown mode, the GS7137 is ideal for battery-powered applications. The line transient response and load transient response of the GS7137 are excellent, thus the device is suitable for the power supply for handheld communication equipment. The regulator is stable with small ceramic capacitive loads (2.2uF typical).

Typical Application

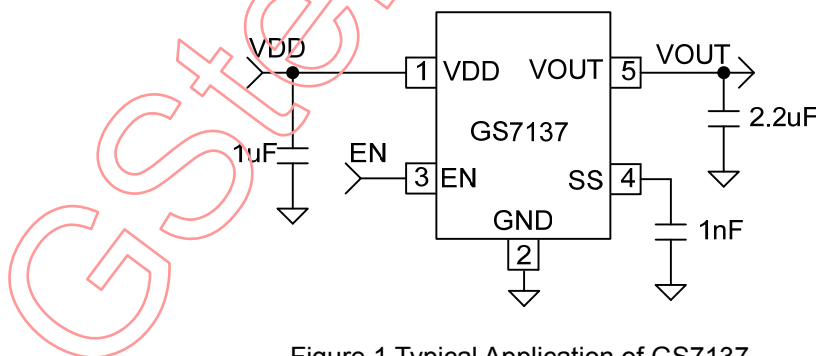


Figure 1 Typical Application of GS7137