

Standalone Li-Ion Switch Mode Battery Charger

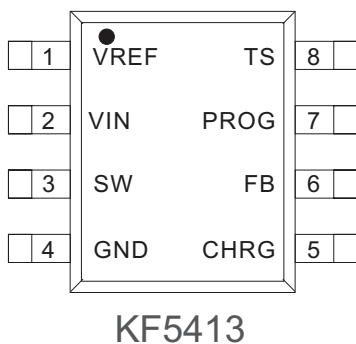
Description

The KF5413 is a complete battery charger controller for two (8.4V) cells lithium-ion batteries. The KF5413 provides a small, simple and efficient solution to fast charge Li-ion battery. An external sense resistor sets the charge current with high accuracy.

An internal resistor divider and precision reference set the final float voltage to 8.4V. When the input supply is removed, the KF5413 automatically enters a low current sleep mode.

The KF5413 is available in the SOP-8L package.

Pin Assignment



Features

- Input Supply Range: 9V-16V
- End - Charge - Current Detection Output
- Constant Switching Frequency for Minimum Noise
- Automatic Battery Recharge
- Automatic Shutdown When Input Supply is Removed
- Automatic Trickle Charging of Low Voltage Batteries
- Battery Temperature Sensing
- Stable with Ceramic Output Capacitor
- SOP-8L Package

Application

- Charging Docks
- Handheld Instruments
- Portable Computers

Typical Application

