

General Description

The ET9501 is a single Lithium-Ion or Lithium-Polymer cell linear battery charger which is designed for compact and cost-sensitive handheld devices. It combines charge status indication, charge termination, battery temperature monitoring, and high accuracy current and voltage regulation in a MSOP8 package.

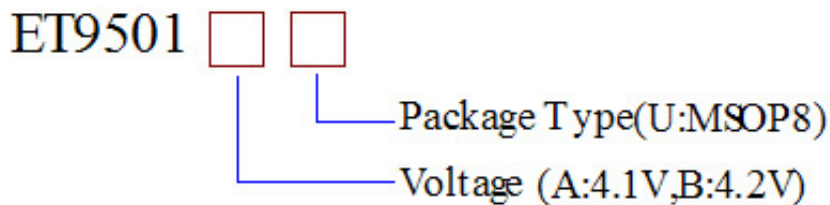
The ET9501 charges the battery in three modes, precharge, constant current, constant voltage. If the battery voltage is below the precharge threshold V_O (MIN), the ET9501 precharges the battery with a lower conditioning current. After precharge, the ET9501 applies a constant current to the battery. An external sense-resistor sets the charge current. The constant voltage mode continues until the battery reaches the regulation voltage.

The battery temperature is continuously measured by an external thermistor through the TS pin. The ET9501 inhibits charge until the temperature is within the range defined by users.

Features

- For Single Lithium-Ion or Lithium-Polymer Cell Battery Pack (4.1V 4.2V)
- A Few External Components are required
- Precharge, Constant Current, Constant Voltage Modes
- Battery Temperature Monitor
- Charge Status Indication
- Automatic Battery Recharge
- Charge Termination Detect
- Auto Low Power Sleep Mode when VDD Power is Removed
- MSOP8 Package

Ordering Information



Pin Assignments

