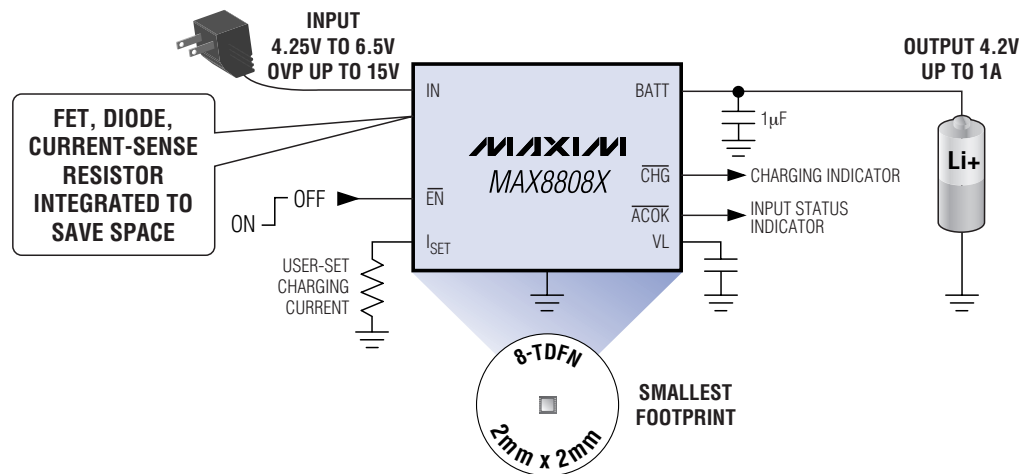


FIRST 1A Li+ CHARGER IN 2mm x 2mm TDFN PACKAGE

Features High 15V Adapter Input

The MAX8808 integrates the power MOSFET, reverse current-blocking diode, and current-sense resistor into a tiny 4mm² footprint, while providing the fastest safe charging in a small package. By regulating temperature, current, and voltage, the MAX8808 eliminates the bulky heatsink and thermal-management concerns for small handheld instruments such as cellular phones, PDAs, and digital still cameras. Its thermal regulation reduces ambient temperature rise and improves product reliability while reducing costly guardbanding requirements. To protect against loosely regulated, inexpensive AC adapters, the MAX8808 is guaranteed to withstand input transients up to 15V and has built-in overvoltage-protection (OVP) circuitry to prevent charging during fault conditions.

CONSTANT-VOLTAGE, CONSTANT-CURRENT, TEMPERATURE-REGULATED CONTROL



- ◆ Tiny Thermally Enhanced TDFN Package (0.8mm High)
- ◆ Proprietary Temperature and CC-CV Regulation for Safest and Fastest Charging
- ◆ 0.3V Dropout Voltage at 0.5A Current

- ◆ Uses Active-High Logic for Enable (MAX8808Y)
- ◆ Eliminates Prequalification State (MAX8808Z)
- ◆ Soft Start
- ◆ Evaluation Kit Available to Speed Designs
- ◆ Priced At \$1.40[†]

[†]2500-up recommended resale, FOB USA. Prices provided are for design guidance and are for the lowest grade, commercial temperature parts. International prices will differ due to local duties, taxes, and exchange rates. Prices are subject to change. Not all packages are offered in 1k increments, and some may require minimum order quantities.

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