



FUEL GAUGE COULOMB COUNTER @ LOW POWER 2uA

FEATURES

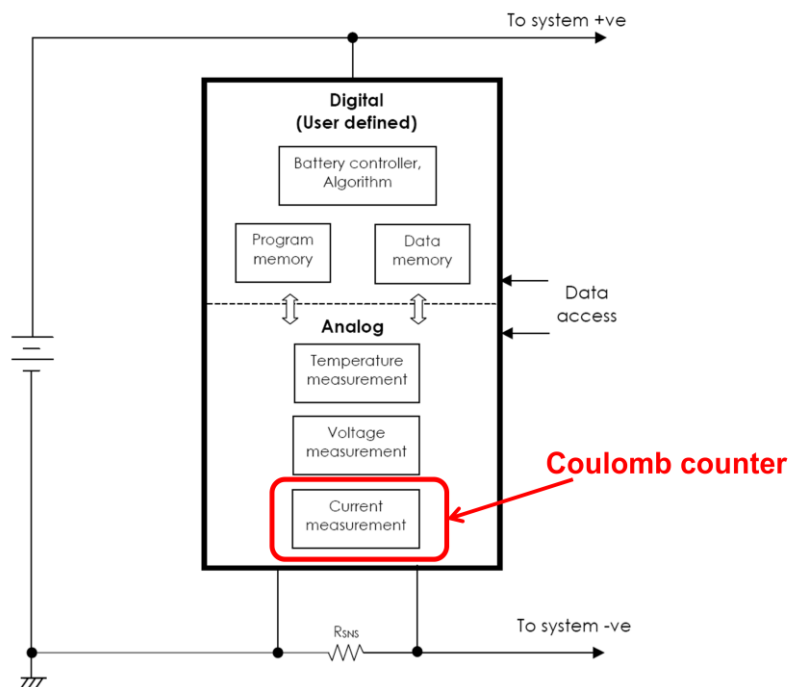
- ▶ Input range: $\pm 70\text{mV}$
- ▶ Current measurement range: $\pm 7\text{A}$ (with $10\text{m}\Omega$ sense resistor)
- ▶ Resolution: 13-bit
- ▶ Offset before calibration: $< \pm 200\mu\text{V}$
- ▶ Operating current consumption: $2\mu\text{A}$
- ▶ Power-down consumption: $< 100\text{nA}$
- ▶ INL: $< \pm 2\text{LSB}$
- ▶ DNL: $< \pm 2\text{LSB}$
- ▶ Integration time: 1.0 second
- ▶ Temperature: -40C to 85C
- ▶ Process technology: 130/180nm CMOS
- ▶ IP size: NDA required

OVERVIEW

- ▶ An ultra low power Fuel Gauge Coulomb Counter ADC in CMOS process.
- ▶ Fully differential input to measure and integrate charge and discharge current.
- ▶ Ideal for wearable devices, IoT devices, smart devices, battery-powered portable applications.

IP STATUS

- ▶ MASS PRODUCTION



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