

## 250mA high PSRR Low Dropout Voltage Regulator

## DESCRIPTION

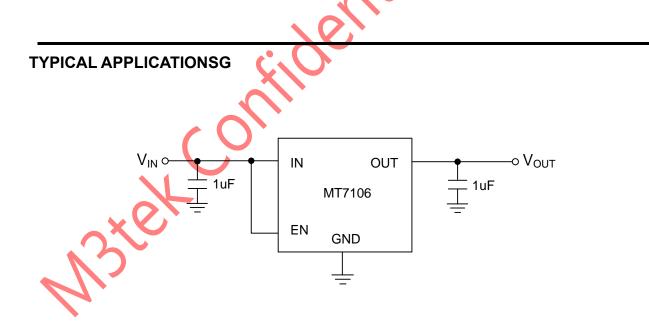
The MT7106 is a 250mA high PSRR Low Dropout (LDO) Linear Regulator that's ideal for RF and data communication applications. It consumes extremely low Iq of 14uA at no load, while offers superior PSRR over the full load range. MT7106 operates from 2.5V to 5.5V with built-in soft-start and 400mA current limit. Hiccup mode for over-load or short circuit condition and thermal shut down provides robust protection in the event of fault. The MT7106 is stable with  $1.0\mu$ F ceramic output capacitor. MT7106 offers a wide range of fixed output voltage to choose from 0.9V,1.2V, 1.5V, 1.8V, 2.5V, 2.7V, 2.8V, and 3.3V. These devices are available in space saving DFN 1mm x 1mm\_4L package.

## **FEATURES**

- 14µA Quiescent Current
- Input Voltage Range 2.5V to 5.5V
- Up to 250mA Peak Output Current
- High PSRR up to 100kHz
- Built-in soft start
- Built-in Current Limit with Hiccup Mode Protection
- Accurate Threshold for Enable Pin
- Output Discharge in Shutdown
- Stable with a 1µF ceramic capacitor
- Available in Package and DFN 1x1\_4L
- Pb-Free (ROHS compliant)

## APPLICATION

- Ultra-Low Power Microcontrollers
- Cellular/Cordless Handsets
- Portable/Battery-Powered Equipment



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