

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 I_q 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 μ 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

- 14 μ A 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 1 μ F ceramic capacitor
- Available in Package and DFN 1x1_4L
- Pb-Free (ROHS compliant)

APPLICATIONS

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

TYPICAL APPLICATIONS