

# CNS1103

(Ultra-High PSRR, Ultra-Low Iq, 300mA LDO for RF and Analog Circuits)

## 1 Features

- Ultra-High PSRR up to 102dB  
Typ. 94dB at 1KHz
- Ultra-Low Quiescent Current: 4.5uA
- 300mA Output Current
- Ultra-Low Dropout Voltage
- Stable with a Wide Range of Ceramic Capacitor, Larger than 1μF
- Excellent Load and Line Transient Response
- RoHS Compliant

## 2 Applications

- RF Power
- Smartphones, Tablets
- Cameras, DVRs, STB

## 3 DESCRIPTION

CNS1103 is a low-dropout (LDO) linear voltage regulator that features ultra-high power supply rejection ratio (PSRR), ultra-low quiescent current, fast start-up, and excellent line and load transient responses. Its PSRR can be as high as 102dB at 1.2V output. Therefore, CNS1103 is an ideal power supply for noise-sensitive applications such as RF transmissions, cellphones, CMOS sensors and audios etc.

## Simplified Schematic

