

CNS1105

(Ultra-High PSRR, Ultra-Low Iq, 500mA LDO for RF and Analog Circuits)

1 Features

- Ultra-High PSRR up to 102dB
Typ. 94dB at 1KHz
- Ultra-Low Quiescent Current: 4.5uA
- 500mA 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

CNS1105 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, CNS1105 is an ideal power supply for noise-sensitive applications such as RF transmissions, cellphones, CMOS sensors and audios etc.

Simplified Schematic

