

High PSRR, High speed, CMOS LDO

General Description

The WR0332 series is a high accuracy, low noise, high speed, low dropout CMOS Linear regulator with high ripple rejection. The devices offer a new level of cost-effective performance in cellular phones, laptop and notebook computers, and other portable devices.

The WR0332 has the fold-back maximum output current which depends on the output voltage. So the current limit functions both as a short circuit protection and as an output current limiter.

The WR0332 regulators are available in standard SOT23-3 package, SOT23-5 package and DFN1x1-4 Package. Standard products are Pb-free and Halogen-free.

Features

- Input Voltage: 2.0V~5.5V
- Output Voltage: 1.0V~3.3V
- Output Current: 300mA
- PSRR: 70dB@1KHz
- Dropout Voltage: 220mV @ $I_{OUT} = 300mA$
- Operating Temperature: -40~+125°C
- Shut-down Current: < 1 μA
- Quiescent Current: 60 μA Typ.
- Recommend Capacitor: 1 μF

Applications

- MP3/MP4 Players
- Cellphones, radiophone, digital cameras
- Bluetooth, wireless handsets
- Others portable electronic device

Typical Application

