

Product Overview

NCP5504: LDO Regulator, 250 mA, Dual Output, Low Noise

For complete documentation, see the data sheet.



The NCP5504 is a dual output low dropout (LDO) linear voltage regulator with a +/-2.0% accuracy over the operating temperature range. It features a fixed output voltage of 3.3 V (contact factory for other fixed output voltage options) and an adjustable output that ranges from 1.25 V to 5.0 V. It is available in a 5 pin DPAK Pb-free package. The NCP5504 LDO linear voltage regulator provides low noise operation without a bypass capacitor for the fixed output. This device has ripple rejection of 75 dB and a dropout voltage of 250 mV at 250 mA. The NCP5504 is suitable for post-regulation and power sensitive battery-operated applications.

Features

- One Fixed and One Adjustable Output
- Adjustable Output Voltage from 1.25 V to 5.0 V
- Low Dropout Voltage of 250 mV Typical at 250 mA
- Low Quiescent Current of 370 μ A
- Ripple Rejection of 75 dB
- Temperature Range of -25°C to +85°C
- Accuracy of 2.0% Over Temperature
- Thermal Protection and Current Limit

Applications

- Audio Visual Equipment
- Battery Powered Consumer Products
- Instrumentation
- Computing and Networking Applications

For more information please contact your local sales support at www.onsemi.com.

Created on: 7/23/2021