



## Product Overview

### NCP5504: Linear Voltage Regulator, LDO, Dual Output, 250 mA

For complete documentation, see the data sheet

#### Product Description

The NCP5504 is a dual output low dropout (LDO) linear voltage regulator with a  $\pm 2.0\%$  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  $\mu$ A
- Ripple Rejection of 75 dB
- Temperature Range of  $-25^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
- Accuracy of 2.0% Over Temperature
- Thermal Protection and Current Limit

#### Applications

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

#### Part Electrical Specifications

Product	Compliance	Status	Output	Polarity	$V_o$ (V)	$I_o$ Typ (A)	$V_i$ Max (V)	$V_{DO}$ Typ (V)	$I_q$ Typ (mA)	PSRR (dB)	Noise ( $\mu\text{V}_{\text{rms}}$ )	Package Type
NCP5504DTRKG	Pb-free Halide free	Active	Dual	Positive	3.3, Adj.	0.25	18	0.25	0.37	60	90	DPAK-5

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