



Product Overview

NCV5504: Linear Voltage Regulator, LDO, 250 mA

For complete documentation, see the data sheet

Product Description

The NCV5504 Low Dropout (LDO) Linear Voltage Regulator is a dual output low dropout linear voltage regulator with $\pm 2.0\%$ accuracy over the operating temperature range. It features a fixed output voltage of 3.3 V (contact the 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 NCV5504 provides low noise operation without a bypass capacitor for the fixed output. This device has ripple rejection of 75 dB and a dropout of 250 mV @ 250 mA and 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 Typical
- Ripple Rejection of 75 dB
- Temperature Range of -40°C to $+125^{\circ}\text{C}$
- Accuracy of $\pm 2.0\%$ Over Temperature
- Thermal Protection and Current Limit
- AEC Qualified
- PPAP Capable

Applications

- Automotive Audio
- Instrumentation

End Products

- Automotive

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 (μV_{rms})	Package Type
NCV5504DTRKG	AEC Qualified PPAP Capable Pb-free Halide free	Active	Dual	Positive	3.3, 1.25	0.25	18	0.25	0.37	60	90	DPAK-5

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

Created on: 7/11/2015