

NCV5504

LDO Regulator, 250 mA, Low Dropout



Product Overview

For complete documentation, see the data sheet.

The NCV5504 Low Dropout (LDO) Linear Voltage Regulator is a dual output low dropout linear voltage regulator with +/-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 µA Typical
- Ripple Rejection of 75 dB
- Temperature Range of -40°C to +125°C
- Accuracy of ±2.0% Over Temperature
- Thermal Protection and Current Limit
- AEC Qualified
- PPAP Capable

For more features, see the data sheet

Applications

- Automotive Audio
- Instrumentation

End Products

- Automotive

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Output	Polarity	V _O (V)	I _O Typ (A)	V _I Min (V)	V _I Max (V)	V _{DO} Typ (V)	I _Q Typ (mA)	PSRR (dB)	Noise (µV _r ms)	Enable	PowerGood	Application	Package Type
NCV5504DTRKG	0.855	A, Pb, P, H	Active	Dual	Positive		0.25	3.7	18	0.25	0.37	60	90	No	No	Automotive	DPAK-5