



Product Overview

NCV8769: Linear Voltage Regulator, LDO, Ultra Low Iq, 150 mA, with Reset and Early Warning

For complete documentation, see the data sheet

Product Description

The NCV8769 is 150 mA LDO regulator with integrated reset and early warning functions dedicated for microprocessor applications. Its robustness allows NCV8769 to be used in severe automotive environments. Ultra low quiescent current as low as 25 μ A typical for NCV8769 makes it suitable for applications permanently connected to battery requiring very low quiescent current with or without load. The NCV8769 contains protection functions as current limit and thermal shutdown.

Features

- 5.0 V, +/-2%, 150 mA
- Ultra Low Quiescent Current:
typ 25 μ A for Adjustable Early Warning Threshold Option
- Microprocessor Compatible Control Functions:
Reset with Adjustable Poweron Delay
Early Warning
- Integrated Protection Features:
Current Limitation
Thermal Shutdown
- AEC Q100 qualified, PPAP capable

Benefits

- Tight regulation limits
- Save battery life
- Microprocessor power management feature, design flexibility
- Self protection

Applications

- Body Control Module
- Instruments and Clusters
- Occupant Protection and Comfort
- Powertrain

End Products

- Automotive
- 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 (μ V _{rms})	Package Type
NCV876950D250R2G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Single	Positive	5	0.15	40	0.225	0.025	60		SOIC-14

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

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