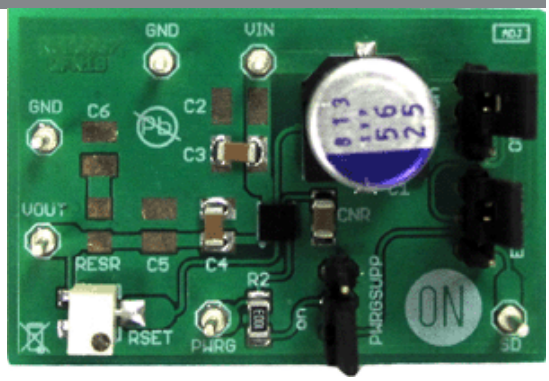
NCP3337MNADJGEVB: Adjustable Output Voltage LDO Regulator Evaluation Board

Evaluation Board Description

The demoboard supports the LDO regulator NCP3337 in DFN10 package with adjustable output voltage. The ENABLE function allows turn the device to low consumption mode with quiescent current below 1 µA. The Power Good pin alows output voltage monitoring. The additional CNR capacitor reduces the output noise.

Size: 45mm x 30mm x 18mm



Features and Applications

Features

- High Accuracy Over Line and Load (±0.9% at 25°C)
- Ultra-Low Dropout Voltage at Full Load (260 mV typ.)
- No Minimum Output Current Required for Stability
- Low Noise (33 _Vrms w/10 nF Cnr and 52 _Vrms w/out Cnr)
- Low Shutdown Current (< 1 mA)
- Reverse Bias Protected
- 2.9 V to 12 V Supply Range
- Thermal Shutdown Protection
- Current Limitation
- Stable with Any Type of Capacitor (including MLCC)
- Power Good Output

Applications

- PCMCIA Card
- Cellular Phones
- Camcorders and Cameras
- Networking Systems, DSL/Cable Modems
- Cable Set-Top Box
- MP3/CD Players
- DSP Supply
- Displays and Monitors

Evaluation Board Information

Evaluation Board	Status	Compliance	Short Description	Parts Used	Action
NCP3337MNADJGEVB	Active	Pb-free	Adjustable Output Voltage LDO Regulator Evaluation Board	NCP3337MNADJR2G	

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCP3337MNADJGEVB Bill of Materials ROHS Compliant	NCP3337MNADJGEVB_BOM_ROHS.PDF - 37.0 KB	1
Eval Board: Gerber	NCP3337MNADJGEVB Gerber Layout Files (Zip Format)	NCP3337MNADJGEVB_GERBER.ZIP - 56.0 KB	0
Eval Board: Schematic	NCP3337MNADJGEVB Schematic	NCP3337MNADJGEVB_SCHEMATIC.PDF - 560.0 KB	0
Eval Board: Test	NCP3337MNADJGEVB Test	NCP3337MNADJGEVB_TEST_PROCEDURE.PDF	0

Procedure	Procedure	- 1144.0 KB	