



NCV8675DS50GEVB: Precision 5 V Fixed Output Evaluation Board

The NCV8675 is a precision 5.0 V fixed output, low dropout integrated voltage regulator with an output current capability of 350 mA. Careful management of light load current consumption, combined with a low leakage process, achieve a typical quiescent ground current of 34 uA. NCV8675 is pin for pin compatible with NCV4275 and it could replace this part when very low quiescent current is required. The output voltage is accurate within +/-2.0%, and maximum dropout voltage is 600 mV at full rated load current. It is internally protected against input transients, input supply reversal, output overcurrent faults, and excess die temperature. No external components are required to enable these features.



Features and Applications

Features

- +/-2.0% Output Accuracy, Over Full Temperature Range
- 34 uA Maximum Quiescent Current at Iout = 100 uA, up to 85 C
- 600 mV Maximum Dropout Voltage at 350 mA Load Current
- Wide Input Voltage Operating Range of 5.5 V to 45 V
- Internal Fault Protection

Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
NCV8675DS50GEVB	Active	Pb-free	Precision 5 V Fixed Output Evaluation Board	NCV8675DS50G	» Contact Local Sales Office

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCV8675DS50GEVB Bill of Materials ROHS Compliant	NCV8675DS50GEVB_BOM_ROHS.PDF - 170.0 KB	0
Eval Board: Gerber	NCV8675DS50GEVB Gerber Layout Files (Zip Format)	NCV8675DS50GEVB_GERBER.ZIP - 28.0 KB	0
Eval Board: Schematic	NCV8675DS50GEVB Schematic	NCV8675DS50GEVB_SCHEMATIC.PDF - 109.0 KB	0
Eval Board: Test Procedure	NCV8675DS50GEVB Test Procedure	NCV8675DS50GEVB_TEST_PROCEDURE.PDF - 223.0 KB	0

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