



NCP3063SMDBCKEVB: Surface Mount Buck Regulator Evaluation Board

The NCP3063 Series is a performance enhancement to the popular MC33063 and MC34063 monolithic DC-DC converters. These devices consist of an internal temperature compensated reference, comparator, controlled duty cycle oscillator with an active current limit circuit, driver and high output current switch. This controller was specifically designed to be incorporated in step-down, step-up, or voltage inverting applications with a minimum number of external components. The NCP3063 Buck Evaluation Board is a 250 kHz maximum switching frequency board with 3.3V output. The output is capable of loads from 0.2 A to 0.8 A with the efficiency higher than 73% (at 150 kHz). The input voltage for the 3.3V output is 7V to 15V.



Features and Applications

Features

- 250 kHz maximum switching frequency
- 7V to 15V input voltage
- Efficiency greater than 73% at 150 kHz

Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
NCP3063SMDBCKEVB	Active		Surface Mount Buck Regulator Evaluation Board	NCP3063DR2G	Contact Local Sales Office Inventory

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCP3063SMDBCKEVB Bill of Materials	NCP3063SMDBCKEVB_BOM.PDF - 55.0 KB	0
Eval Board: Gerber	NCP3063SMDBCKEVB Gerber Layout Files (Zip Format)	NCP3063SMDBCKEVB_GERBER.ZIP - 32.0 KB	0
Eval Board: Schematic	NCP3063SMDBCKEVB Schematic	NCP3063SMDBCKEVB_SCHEMATIC.PDF - 174.0 KB	0
Eval Board: Test Procedure	NCP3063SMDBCKEVB Test Procedure	NCP3063SMDBCKEVB_TEST_PROCEDURE.PDF - 107.0 KB	0
Video	Surface Mount Buck Regulator Evaluation Board - NCP3063SMDBCKEVB	WVD17640/D	

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