NCP1234BD65R2G

Data Sheet

Current Mode PWM Controllers Fixed Freq (I) Mode For FlyBk Conv

Manufacturers	ON Semiconductor, LLC
Package/Case	SOIC-7
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	

Images are for reference only

Please submit RFQ for NCP1234BD65R2G or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFQ

General Description

The NCP1234 is a new fixed−frequency current−mode controller featuring Dynamic Self−Supply (DSS). This device is pin−to−pin compatible with the previous NCP12xx families.
The DSS function greatly simplifies the design of the auxiliary supply and the VCC capacitor by activating the internal startup current source to supply the controller during transients.

Features

Fixed−Frequency Current−Mode Operation with Built−In Ramp Compensation

65 kHz or 100 kHz Oscillator Frequency version

Frequency Foldback then Skip Mode for Maximized Performance in Light Load and Standby Conditions

Timer−Based Overload Protection with Latched (option A) or Auto−Recovery (option B) Operation

High−voltage Current Source with Dynamic Self−Supply, Simplifying the Design of the VCC Capacitor

Frequency Modulation for Softened EMI Signature, including during Frequency Foldback mode

Adjustable Overpower Compensation

Latch−off Input for Severe Fault Conditions, Allowing Direct Connection of an NTC for Overtemperature Protection (OTP)

VCC Operation up to 28 V, with Overvoltage Detection

4.0 ms Soft−Start

Internal Thermal Shutdown

Pin−to−Pin Compatible with the Existing NCP12xx Series

These Devices are Pb−Free, Halogen Free/BFR Free and are RoHS Compliant

Application

ONSEMI

Related Products

NCP603SN330T1G

ON Semiconductor, LLC

TSOP-5

NCP1399ACDR2G

ON Semiconductor, LLC

SOP16

NCP1234AD65R2G

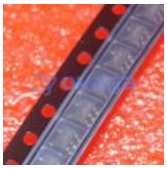
ON Semiconductor, LLC

SOIC-7

NCP3334DADJR2G

ON Semiconductor, LLC

SOIC-8



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ON Semiconductor, LLC

SOT-23-5

[NCP330MUTBG]

ON Semiconductor, LLC

UDFN-4

[NCV4274ADS50R4G]

ON Semiconductor, LLC

SOT263

[NCP1252ADR2G]

ON Semiconductor, LLC

SOIC-8