



Product Overview

NCP3126: Synchronous Buck Regulator, High Efficiency, Switching, PWM, 3.0 A

For complete documentation, see the data sheet

Product Description

The NCP3126 is a flexible synchronous PWM Switching Buck Regulator. The NCP3126 is capable of producing output voltages as low as 0.8 V. The NCP3126 also incorporates voltage mode control. To reduce the number of external components, a number of features are internally set, including soft-start and switching frequency. The NCP3126 is currently available in an SOIC-8 package. Family of parts that are pin to pin compatible. NCP3125 (4A), NCP3126 (3A), NCP3127 (2A)

Features	Benefits
<ul style="list-style-type: none">+5V or +12V Input Voltage85m High-side, 65m Low-side MOSFETOutput voltage adjustable down to 0.8V3A Continuous Output CurrentFixed 350kHz PWM Operation1.0% Initial Output AccuracyProgrammable Current LimitFamily of parts that are pin to pin compatible. NCP3125 (4A), NCP3126 (3A), NCP3127 (2A)	<ul style="list-style-type: none">Ability to use for various input voltagesHigh efficiency solution due to low RdsonAbility to output different voltagesHigh power density designsNo external components required to set frequencyHigh accuracy output and system designAbility to use high efficiency solution for lower output current

Applications	End Products
<ul style="list-style-type: none">High Efficiency DC-DC	<ul style="list-style-type: none">Set-Top-Box (STB)LCD-TV / DTV / PDP

Application Diagram

