



Product Overview

NCP3127: Synchronous Buck Regulator, High Efficiency, Switching, PWM, 2.0 A

For complete documentation, see the data sheet

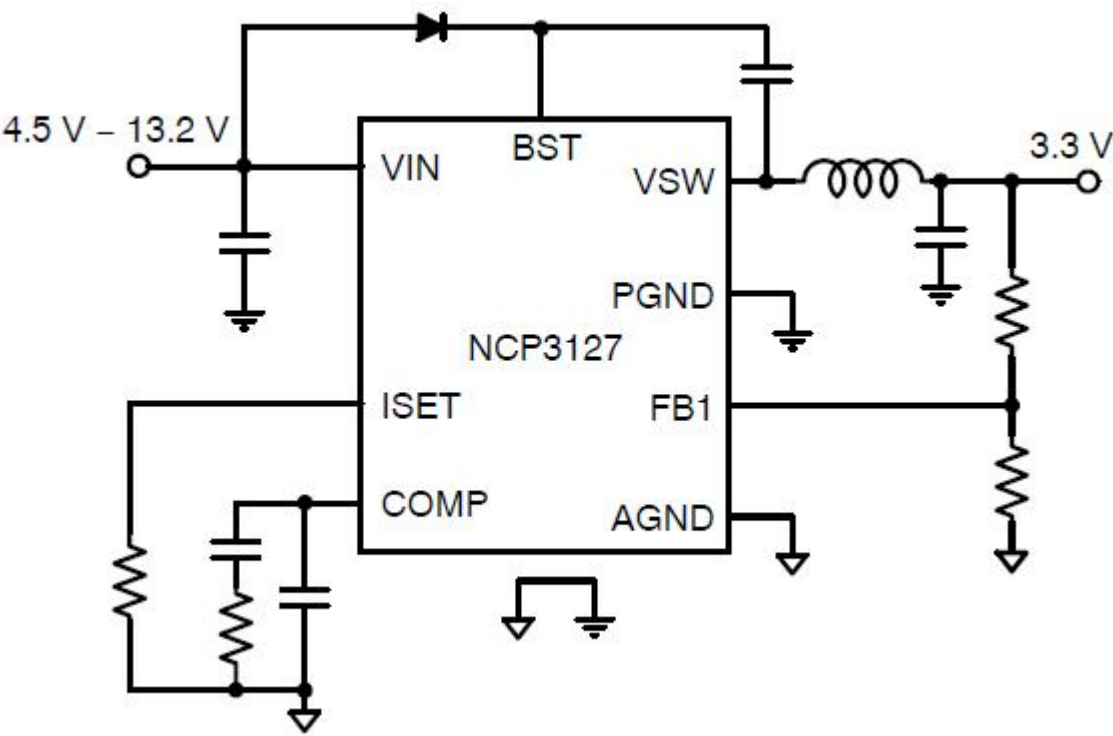
Product Description

The NCP3127 is a flexible synchronous PWM Switching Buck Regulator. The NCP3127 is capable of producing output voltages as low as 0.8 V. The NCP3127 also incorporates voltage mode control. Switching frequency is internally set. The NCP3127 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 Voltage80m High-side, 80m Low-side MOSFETOutput voltage adjustable down to 0.8V2A 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



For more information please contact your local sales support at www.onsemi.com

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