

製品概要

NCP1395: Controller, High Performance Resonant Mode

技術情報は、データシートをご参照ください。



The NCP1395A/B offers everything needed to build a reliable and rugged resonant mode power supply. Its unique architecture includes a 1 MHz Voltage Controller Oscillator whose control mode brings flexibility when an ORing function is a necessity, e.g. in multiple feedback paths implementations. Protections featuring various reaction times, e.g. immediate shutdown or timer-based event, brown-out, broken opto-coupler detection etc., contribute to a safer converter design, without engendering additional circuitry complexity. An adjustable deadtime also helps lowering the shoot-through current contribution as the switching frequency increases. Finally, an on-board operational transconductance amplifier allows for various configurations, including constant output current working mode or traditional voltage regulation.

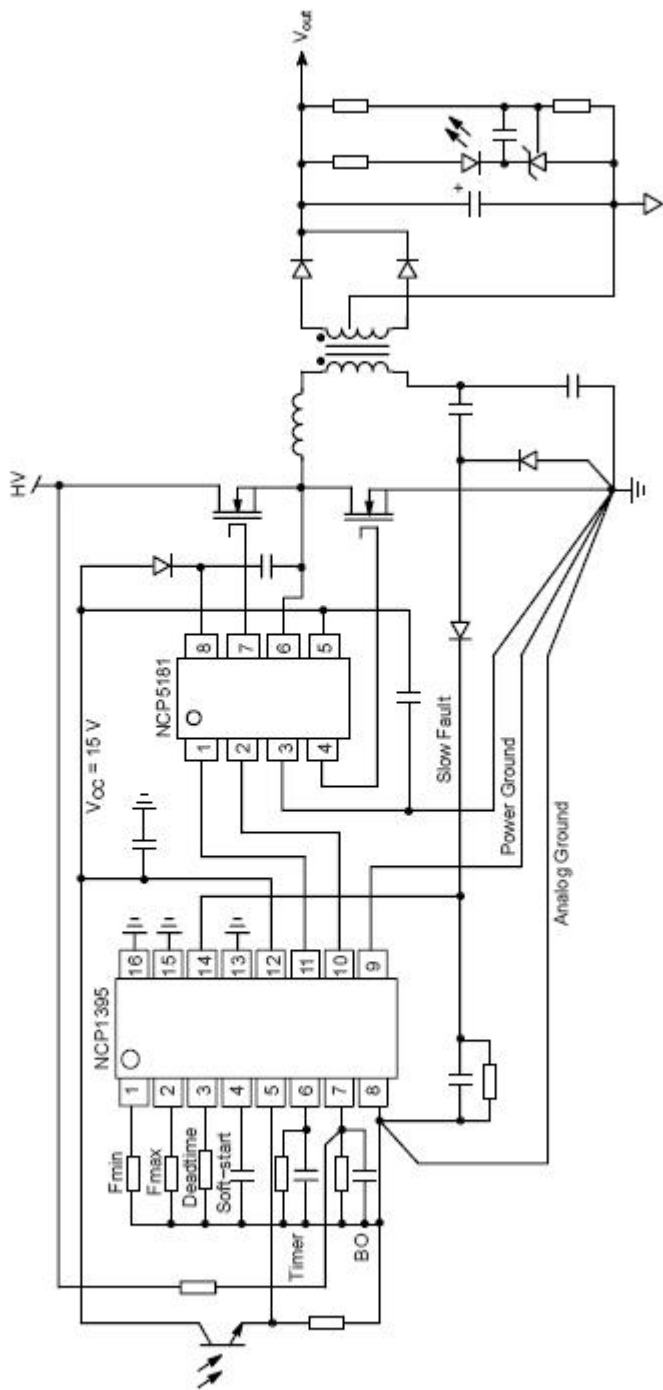
特長

- High Frequency Operation from 50 kHz up to 1.0 MHz
 - Selectable Minimum Switching Frequency with $\pm 3\%$ Accuracy
 - Timer-Based Input with Auto-Recovery Operation for Delayed Event Reaction
 - Adjustable Deadtime from 150 ns to 1.0 μ s
 - Startup Sequence via an Adjustable Soft--Start
 - Brown-Out Protection for a Simpler PFC Association
 - Latched Input for Severe Fault Conditions, e.g. Overtemperature or OVP
 - Enable Input for Immediate Event reaction or Simple ON/OFF Control
 - Operational Transconductance Amplifier (OTA) for Multiple Feedback Loops
 - Low Startup Current of 300 μ A max
- For more features, see the data sheet

アプリケーション

- LCD/Plasma TV Converters
- High Power Ac--Dc Adapters for Notebooks
- Industrial and Medical Power Sources
- Offline Battery Chargers

アプリケーション・ダイアグラム



Typical Application Example

詳細は、弊社 www.onsemi.jp の営業または販売代理店にお問い合わせください。

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