

产品概览

NCV898032: 非同步升压控制器，汽车级

欲看完整文档，请参阅数据表。

NCV898032 是一款可调节输出非同步升压控制器，驱动外部 N 沟道 MOSFET。该器件使用峰值电流模式控制，带有内部斜率补偿。该集成电路结合了为门极驱动器提供电荷的内部稳压器。保护功能包括内部设置软启动、欠压锁定、按周期电流限制和高温关断。其他特性包括低静止电流睡眠模式和微处理器兼容输入引脚。

特性

- Peak Current Mode Control with Internal Slope Compensation
- 0.2 V \pm 3 % Reference Voltage for Constant Current Loads
- 2 MHz Fixed Frequency Operation
- Wide Input Voltage Range of 3.2 V to 40 V, 45 V Load Dump
- Input Undervoltage Lockout (UVLO)
- Internal Soft-Start
- Low Quiescent Current in Sleep Mode (< 10 μ A Typical)
- Cycle-by-Cycle Current Limit Protection
- Hiccup-Mode Overcurrent Protection (OCP)
- Thermal Shutdown (TSD)

For more features, see the data sheet

应用

- LED Lighting, Backlighting, Headlamps
- Start-Stop Systems
- Boost, Flyback, SEPIC, Cuk Topologies
- Direct Gas Injection

欲了解更多信息，请联系您当地的销售支援 www.onsemi.cn。

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优势

- LED PWM Dimming Capable
- Accurate Current/Voltage Regulation
- Facilitates Use of Lower Cost Magnetics and Filter Capacitors
- Designed for Automotive Battery Operating Environment
- Works in a Wide Variety of Applications
- Disables Startup in Undervoltage Conditions
- Very Low Off-State Current
- Protects Against Overcurrent Conditions
- Protects Against Overcurrent Conditions
- Thermally Protects IC

终端产品

- Automotive Systems