

产品概览

NCV7692: Current Controller for Automotive LED Lamps

欲看完整文档，请参阅数据表。

The NCV7692 is a device which uses an external NPN bipolar device combined with feedback resistor(s) to regulate a current for use in driving LEDs. The target application for this device is automotive rear combination lamps. A single driver gives the user flexibility to add single channels to multichannel systems. A dedicated dimming feature is included via the PWM input pin. The individual driver is turned off when an open load or short circuit is detected. LED brightness levels are easily programmed using an external resistor in series with the bipolar transistor. The use of the resistor gives the user the flexibility to use the device over a wide range of currents. Multiple strings of LEDs can be operated with a single NCV7692 device. Set back power limit reduces the drive current during overvoltage conditions. The device is available in a SOIC-8 package.

特性

- Constant Current Output for LED String Drive
 - External Bipolar Device for Wide Current Range Flexibility- With BCP56 Transistor, Can Drive 8 Strings Concurrently (ref. Datasheet Info)
 - External Programming Current Resistor
 - Pulse Width Modulation (PWM) Control
 - Negative Temperature Coefficient Current Control Option
 - Open LED String Diagnostic
 - Short-Circuit LED string Diagnostic
 - Multiple LED String Control
 - Overvoltage Set Back Power Limitation
 - AEC Q100 Qualified
- For more features, see the data sheet

优势

- Ideal for driving LED devices
- Customizable to the users system requirements
- Customizable to the users LED selection
- PWM control for better color output
- Compensation for LED temperature coefficient
- Reporting LED fault for all-off system requirements
- Reporting LED fault for all-off system requirements & eliminating resultant high power demands
- Promotes better system aesthetics
- Allows system operation in extreme conditions
- Automotive Requirement

应用

- Rear Combination Lamps (RCL)
- Daytime Running Lights (DRL)
- Center High Mounted Stop Lamps (CHMSL) Arrays
- Fog Lights
- Turn Signal and Other Externally Modulated Applications

终端产品

- Lighting Module
- Tail Lights
- Low Power Exterior Lighting
- Interior Lighting

器件电气规格

产品	Pricing (\$/Unit)	Compliance	Status	V _I Max (V)	I _O Max (mA)	LEDs in Series, Max #	LEDs in Parallel, Max #	Package Type
NCV7692D10R2G		AEC Qualified PPAP Capable Pb-free Halide free	Active	50	> 1000	4	24	SOIC-8

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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