

产品概览

NSI45030A: LED 驱动器，恒流稳流器，30 mA，45 V

欲看完整文档，请参阅数据表。

该线性恒流稳流器是一款简单、经济和耐用的器件，适用于为 LED 中的调节电流提供经济高效的方案（与恒流二极管 CCD 类似）。该恒流稳流器基于自偏置晶体管 (SBT) 技术，在较宽的电压范围内调节电流。它使用负温度系数来保护 LED 在极端电压和电流下不会发生热崩溃。恒流稳流器将立即开启，达到 25% 调节时仅使用 0.5 V V_{ak} 。它无需外部部件，因此可设计用作高压侧或低压侧稳压器。高阳极-阴极电压额定值可耐受汽车、工业和商业标志应用中常见的浪涌。该恒流稳流器采用耐高温封装，符合 AEC-Q101 标准，并获得 UL94-V0 认证。

特性

- Robust Power Package: 460 mW, Wide operating voltage range, Immediate turn on Voltage surge suppressing protecting LEDs, AEC-Q101 qualified and PPAP Capable, UL94-V0 certified, SBT (Self Biased Transistor) Technology, Negative Temperature Coefficient, This device is Pb-Free, Halogen Free/BFR Free and is RoHS Compliant
- AEC-Q101 Qualified and PPAP Capable, UL94V0 Certified

应用

- LED Drive, Battery Charging, Contact Wetting

优势

- High or Low side control, Simple Battery Charge, Reduce LED binning and therefore inventory, NO EMI

终端产品

- Automotive - Cluster & Central Console Backlighting, Navigation/Audio Systems, Vanity Mirror Light, Car Door Puddle Light, Ambience Lighting, CHMSL, Turn Signals, Side Repeaters, Tail Lamps, Brake Lighting, Trailer lights & Contact Wetting. Display & Signage - Channel letters, Display backlighting, Neon bulb replacements, LED stripes & modules. Architectural lighting Decorative, Task, Exterior, Landscape & Under counter. Computing and Industrial Indicator lamps, Backlights

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
NSI45030AT1G	0.1173	Pb-free	Active	45	30	80	16	SOD-123
		Halide free						
NSV45030AT1G	0.1291	AEC Qualified PPAP Capable Pb-free Halide free	Active	45	30	80	16	SOD-123

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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