

产品概览

NSI45020: LED 驱动器，恒定电流稳压器，20 mA，45 V

欲看完整文档，请参阅数据表。

该线性恒定电流稳压器是一款简单、经济和耐用的器件，适用于为 LED 中的调节电流提供成本高效的方案（与恒定电流二极管 CCD 类似）。该恒定电流稳压器基于自偏置晶体管 (SBT) 技术，基于较宽的电压范围调节电流。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。恒定电流稳压器将立即开启，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电涌。该恒定电流稳压器使用耐高温封装，符合 AEC-Q101 标准，经过 UL94-V0 认证。

特性

- Robust Power Package: 460 mW, Wide operating voltage range, Immediate turn onVoltage 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

优势

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

应用

- LED Drive, Battery Charging, Contact Wetting
- 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
NSI45020T1G	0.1027	Pb-free Halide free non AEC-Q and PPAP	Active	45	20	80	16	SOD-123
NSV45020T1G	0.1129	AEC Qualified PPAP Capable Pb-free Halide free	Active	45	20	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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