

产品概览

NSI50350AD: LED 驱动器，恒定电流稳压器，50 V，350 mA

欲看完整文档，请参阅数据表。



该线性恒定电流稳压器 (CCR) 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。该 (CCR) 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。该 CCR 将立即开启，20% 调节时仅使用 0.5 V_{Vak}。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 CCR 使用耐高温封装，符合 AEC-Q101 标准，经过 UL94-V0 认证。还采用 SMC：NSI50350AST1G

特性

- Robust Power Package: 11 W, 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.
- AEC-Q101 Qualified and PPAP Capable, UL94-V0 Certified
- These Devices are Pb-Free, Halogen Free/BFR Free and are RoHS Compliant

应用

- LED Drive, Battery Charging.

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. 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
NSI50350ADT4G	0.308	Pb-free Halide free	Active	50	350	80	16	DPAK-3
NSV50350ADT4G	0.3388	AEC Qualified PPAP Capable Pb-free Halide free	Active	50	350	80	16	DPAK-3

欲了解更多信息，请联系您当地的销售支援 www.onsemi.cn。

创建于：6/3/2020