

Product Overview

NUD4001: LED Driver, High Current

For complete documentation, see the data sheet.

The Constant Current Regulator & LED Driver is designed to replace discrete solutions for driving LEDs in low voltage AC/DC applications 5V, 12V, or 24V. An external resistor allows the circuit designer to set the drive current for different LED arrays. This discrete integration technology eliminates individual components by combining them into a single package, which results in a significant reduction of both system cost and board space. The device is a small surface mount package SO8.

Features

- Supplies Constant LED Current for varying Input Voltages.
- External Resistor Allows Designer to set Current - up to 500 mA.
- AEC-Q101 Qualified and PPAP Capable
- NSV Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements

Applications

- Portables: For Battery Back-up and Simple Ni-CAD Battery Charging.
- Industrial: Low Voltage Lighting and Small Appliances.
- Automotive: Tail Lights, Directional Lights, Back-Up Lights, and Dome Light.

Part Electrical Specifications								
Product	Pricing (\$/Unit)	Compliance	Status	V _I Max (V)	I _O Max (mA)	LEDs in Series, Max #	LEDs in Parallel, Max #	Package Type
NSVD4001DR2G	0.396	AEC Qualified PPAP Capable Pb-free Halide free	Active	30	500	8	16	SOIC-8
NUD4001DR2G	0.32	Pb-free Halide free	Active	30	500	8	16	SOIC-8

For more information please contact your local sales support at www.onsemi.com.

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