

LED DRIVER, CONSTANT CURRENT, Device Topology: Buck (Step Down), No. of Outputs: 1 Outputs, Input Voltage Min: 8V, Input Voltage Max: 450V

Manufacturers	<a href="#">Microchip Technology, Inc</a>
Package/Case	SOP-16
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for HV9961NG-G or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The HV9961 is an average current mode control LED driver IC operating in a constant off-time mode. Unlike HV9910B, this control IC does not produce a peak-to-average error, and therefore greatly improves accuracy, line and load regulation of the LED current without any need for loop compensation or high-side current sensing. The output LED current accuracy is  $\pm 3\%$ . The IC is equipped with a current limit comparator for hiccup-mode output short circuit protection. The HV9961 can be powered from an 8.0 - 450V supply. A PWM dimming input is provided that accepts an external control TTL compatible signal. The output current can be programmed by an internal 275mV reference, or controlled externally through a 0 - 1.5V dimming input. HV9961 is pin-to-pin compatible with HV9910B and it can be used as a drop-in replacement for many applications to improve the LED current accuracy and regulation.

## Features

Fast average current control

Programmable constant off-time switching

Linear dimming input

PWM dimming input

Output short circuit protection with skip mode

Ambient operating temperature  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$

Pin-compatible with the HV9910B

## Related Products



[HV9961LG-G](#)

Microchip Technology, Inc  
SOIC-8



[HV9910BLG-G](#)

Microchip Technology, Inc  
SOIC-8

[HV9910BNG-G](#)

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SOIC-16



[HV9861ALG-G](#)

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[MCP1631HV-330E/ST](#)

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[MCP1631HVT-500E/ST](#)

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