

LED DRVR 1Segment 9V/12V/15V/18V/24V

Manufacturers	<a href="#">Microchip Technology, Inc</a>
Package/Case	SOIC-8
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for HV9961LG-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

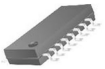
Output short circuit protection with skip mode

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

Pin-compatible with the HV9910B



## Related Products



### [HV9961NG-G](#)

Microchip Technology, Inc  
SOP-16



### [HV9910BLG-G](#)

Microchip Technology, Inc  
SOIC-8



### [HV9910BNG-G](#)

Microchip Technology, Inc  
SOIC-16



### [HV9861ALG-G](#)

Microchip Technology, Inc  
SOIC-8



### [MCP1631HV-330E/ST](#)

Microchip Technology, Inc  
TSSOP-20



### [MCP1631HVT-500E/ST](#)

Microchip Technology, Inc  
TSSOP-20



### [MCP1631HV-330E/SS](#)

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### [MCP1631VHV-330E/ST](#)

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