

LED Lighting Drivers UNIVRSL HI BRGHTNES LED DRIVER

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|---------------|---|
| Manufacturers | Microchip Technology, Inc |
| Package/Case | SOIC-8 |
| Product Type | Power Management ICs |
| RoHS | |
| Lifecycle | |



Images are for reference only

Please submit RFQ for HV9910BLG-G or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HV9910B is an open loop, current mode, control LED driver IC. The HV9910B can be programmed to operate in either a constant frequency or constant off-time mode. It includes an 8.0 - 450V linear regulator which allows it to work from a wide range of input voltages without the need for an external low voltage supply. The HV9910B includes a PWM dimming input that can accept an external control signal with a duty ratio of 0 - 100% and a frequency of up to a few kilohertz. It also includes a 0 - 250mV linear dimming input which can be used for linear dimming of the LED current. The HV9910B is ideally suited for buck LED drivers. Since the HV9910B operates in open loop current mode control, the controller achieves good output current regulation without the need for any loop compensation. PWM dimming response is limited only by the rate of rise and fall of the inductor current, enabling very fast rise and fall times. The HV9910B requires only three external components (apart from the power stage) to produce a controlled LED current making it an ideal solution for low cost LED drivers.

Features

Switch mode controller for single switch LED drivers

Enhanced drop-in replacement to the HV9910

Open loop peak current controller

Internal 8.0 to 450V linear regulator

Constant frequency or constant off-time operation

Linear and PWM dimming capability

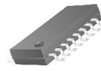
Requires few external components for operation

Related Products



[HV9961LG-G](#)

Microchip Technology, Inc
SOIC-8



[HV9961NG-G](#)

Microchip Technology, Inc
SOP-16



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[MCP1631HV-330E/ST](#)

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