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SSD1072

► Introduction

Product Preview

High Power Factor Off-line LED Driver

The SSD1072 is a high power-factor, constant current LED driver IC designed to control a buck or flyback LED driver in a constant off-time mode. It can accept wide input voltage range of 90VAC to 270VAC and can achieve very high power factor, typically 0.95 or better.

The SSD1072 has a start-up current of less than 80uA. A bias winding on the buck converter's inductor or the forward converter's transformer provides the V_{DD} power to sustain circuit operation after start up.

The SSD1072 provides an adjustable switching frequency, up to 200kHz. It has cycle-by-cycle current limit. It provides an accurate internal current limit reference of 450mV.

► Features

- 90Vac to 270Vac wide input range
- High power factor: better than 0.95
- No need for any electrolytic capacitor
- 450mV current-limit voltage
- Natural current-limited soft start (no inrush current)
- Over-temperature protection
- No-load protection, open feedback loop protection
- High efficiency: up to 92% for sinusoidal buck, 88% for sinusoidal forward
- Improved line regulation
- 80uA start up current
- Small outline MSOP10 package
- Applications include E26/E27/GU10 retrofit bulbs

► Ordering Information

Ordering Part No.	Packge	Remarks
SSD1072HA02R	MSOP10 - T&R	MOQ: 3000
SSD1072HA02M	MSOP10 - Tube	MOQ: 1000

Contact our sales representative for more information:

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or

[Request a datasheet](#)