Feature

- Stable and Precise Constant Output Current
- Wide Input Voltage Range (90Vac~240Vac)
- Wide Output Power Range (5W~12W)
- High Power Efficiency (up to 90%)
- Over Current Protection (OCP)
- Over Temperature Protection (OTP)
- Low Working Temp : 55~75℃
- Low Electro-Magnetic Interference

Application

- Application for DC/DC or AC/DC LED Lighting
- General Lighting of E14, E27, E40, PAR, Fluorescent Lamp, and Other High Power Lighting

Description

This driver module is ideal to fit in E14/27/40 and PAR30/38 lighting applications with low cost and high efficiency design features. The module is a fine-tuned and non-isolated LED power driver module. The efficiency can be achieved over 85% easily with buck topology circuit design. Besides, outstanding design benefits such as low working temperature (55~75℃) and full safety protection function (OCP/OTP) deliver high reliability, long durability and naturally utmost safety in customer lighting application. Ultra low electro - magnetic interference design solution makes customer's product easily meet EMI certification.

Recommend Application

We provide 2 types of module with different output power applications.

Table 1 : Product List

Product No.	CS8901E0003505	CS8901E0003510
Application	5~9W	10~12W *(Note 1)*
Input voltage range	90~240Vac, 50/60Hz	
Input current (max)	< 150mA	< 170mA
Power factor	> 0.85	> 0.85
Output voltage	16.5V~30V	33V~40V
Output current	350mA	350mA
Efficiency	> 88%	> 88%
Working temperature (ambient temp. 25℃) *(Note 2)*	55~75℃	55~75℃
Dimension (length*width*height) *(Note 3)*	48x15x15 mm^2	
Guarantee Life time	35000 hours / 3 years	

Note 1: Chiplus can support higher output power (>12W) driver module if customer requires it.
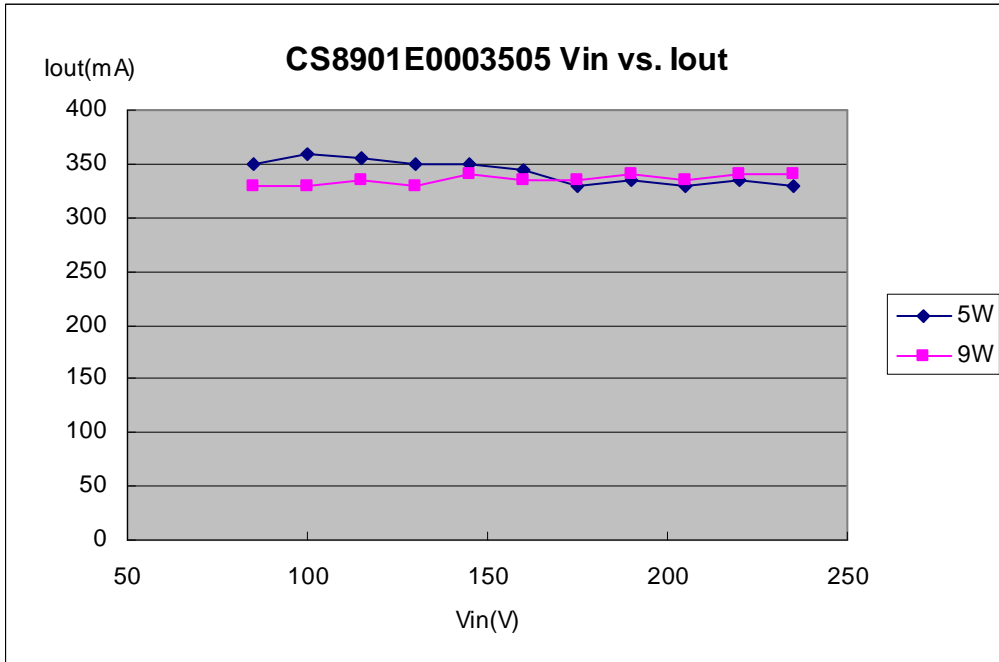
Note 2: Working temperature indicates the highest temperature of key components' (e.g. MOSFE, Schottky rectifier, capacitor), and tested at ambient temperature in open frame.

Note 3: The driver module outline will slightly change depending on the target output power requirement.
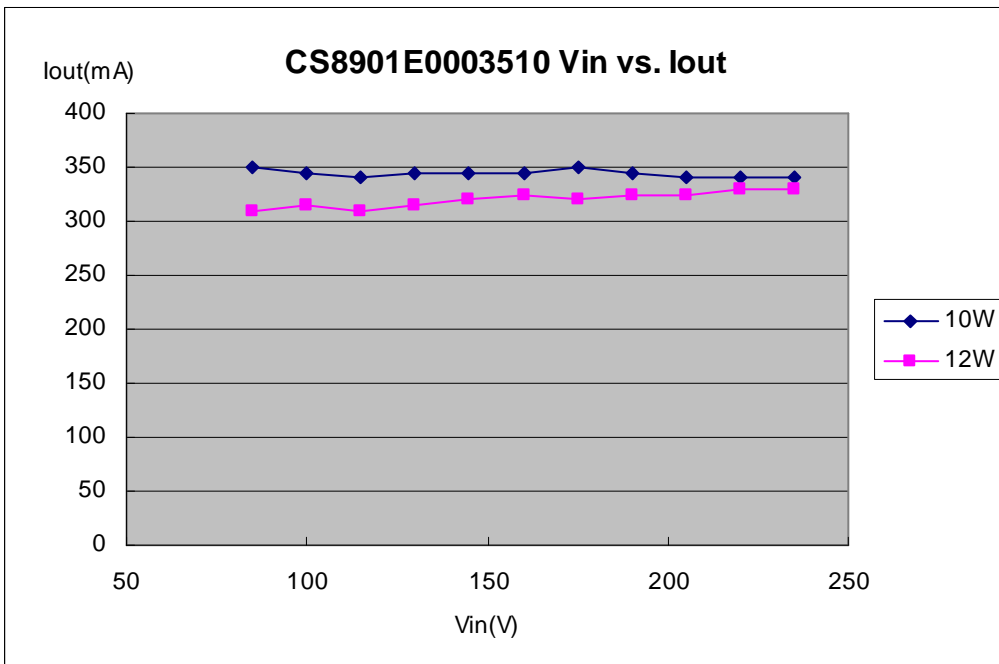
Output Current to Input Voltage Characteristics

CS8901E0003505:

CS8901E0003510:

Outline