



HAWYANG SEMICONDUCTOR CORP.

MR16-D1

High-Power LED Driver Module Specification

Design by :

Check by

App. by:

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Product Specifications:

- Vin: AC 12V or DC 10-12V
- Constant Current Output, insure the LED use safety
- Compatible with Electronic Transformer Driver and Traditional Linear Transformer Driver
- Extended Operating Life, High Reliability
- Small Size (14mm*20mm)
- Capable of driving a variety of colors high-power LED (4 LED)



HY-MR16-D1 Driver Module is designed specifically for the use of MR16 lamp socket structure for LED fixtures. It can be installed directly within the MR16 lamp socket structure, and capable of driving High-Power Led of approximately 1W ($V_f=3.3V$; $I=350mA$). Max connection of four 1W LED* (2 Series 2 Parallel connection). Driver structure is 13*14mm and temperature rise is lower.



	Option	Parameter
Input	Working Voltage Range (V)	AC 12V / DC 10-12V
	Output Current (mA)	900mA Max
	Efficiency (%)	86% ($V_{in}:DC12V$ $V_{out}:7V$)
Output	Output Voltage (V)	DC 6V - 7V
	Constant Current & Accuracy (mA)	700mA \pm 5%
	Inrush Current (mA)	800mA (100 μ s)
	Working Temperature ($^{\circ}C$)	-10 $^{\circ}C$ - +85 $^{\circ}C$
Others	Ambient Humidity (%)	20%-95%RH
	Outer Dimension (L x W) (mm)	20mm x 14mm
	Weight (g)	1.7g



Application Method :

The following module consists of 4 terminals. Two Silver White pins is the input terminal with 12V AC current. Red/Black lines are for output, red line for connecting High-power LED positive charge, and black line for connecting High-Power LED negative charge.