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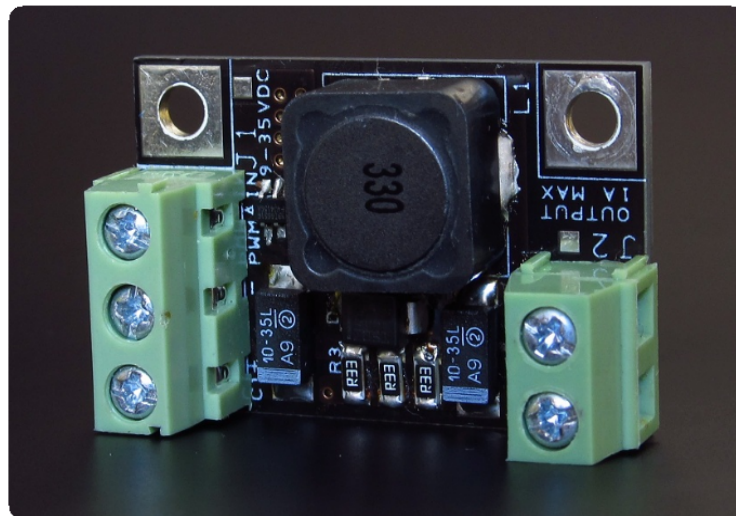
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1. General overview

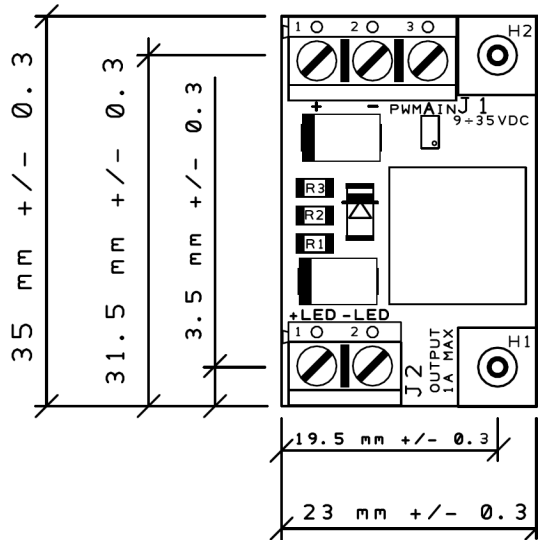
Current Driver 1A 1CH allow user to drive power LED in lighting system.

Main feature of **Current Driver 1A 1CH** it is provide proper power supply condition for power LED.

Current Driver 1A 1CH has ability to drive from 1 to 8 power LED (8 power LED @ $U_f = 3.5$ [VDC]) with maximum current 1[A].

2. Specyfication

2.1. Technical specyfication



Power supply:	9 ÷ 35V [DC]
Output current:	1A [DC]
Frequency PWM dimming input:	1kHz, +/2%
PWM dimming voltage input:	0÷5V [DC], +/2%
Module dimensions:	L 23, W 35, H 19 [+/- 0.3] [mm]

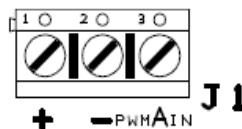
Working conditions:	0 ÷ +70 [°C], humidity 0 ÷ 80 [%]
Storage conditions:	0 ÷ +90 [°C], humidity 0 ÷ 90 [%]

2 mounting holes:	ø3.2 [mm]
Diameter of connected cable:	0.5 ÷ 2 [mm]

Build-in thermal protection
 Easy to plug in connectors

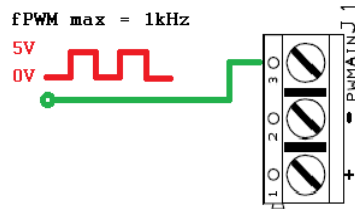
2.2. Connectors

Current LED Driver 1A 1CH module can be easily connect to power supply by 3 position connector J1.

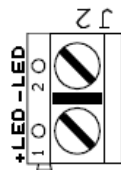


Therminal **J1 +** must be connected with positive potential of power supply (+VCC).
 Therminal **J1 -** must be connected with negative potential of power supply (GND).
 Therminal **J1 PWM IN** can be use for dimming power LED.

Current LED Driver 1A 1CH has also dimming feature. Dimming can be done by PWM signal in the range between 1%+100%, by applying TTL signal with $f=1\text{kHz}$ on the **PWM** J1 connector. If dimming is not applied to J1 connector output current will be setup for maximum value 1A.



Constant current supply it is a critical parameter in order to have a stable source supply for LED. Current LED Driver provide 1A constant current on the J2 connector for power LED.

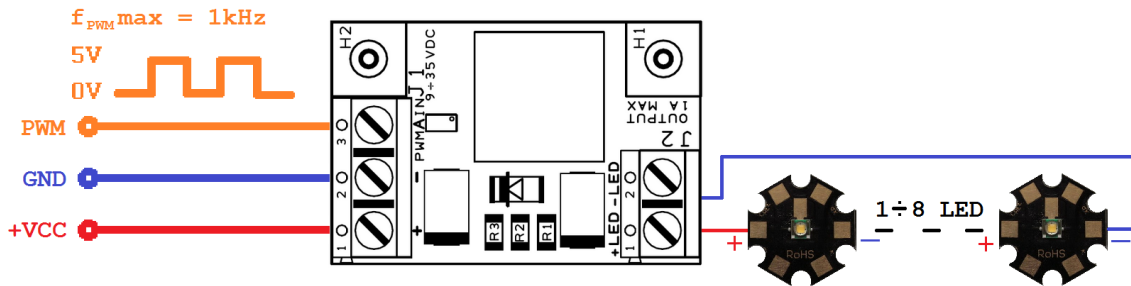


Terminal **LED+** must be connected to positive terminal **A** power LED (Anode). Terminal **LED-** must be connected to negative terminal **K** power LED (Katod).

Warning: Other way of connections like describe can cause damage of Current LED Driver.

2.3. Adaptation in to lighting system

Current Driver 1A 1CH has ability to drive from 1 to 8 power LED (8 power LED @ $U_f = 3.5 \text{ [VDC]}$).



3. Additional informations

3.1. Setup values of the current

Information: On special demand of the Customer, it is possible to set up lower value of the current from the range 100[mADC] to 1[ADC].

Special order will be done in case of order min. 20 pcs. of one type of current value.