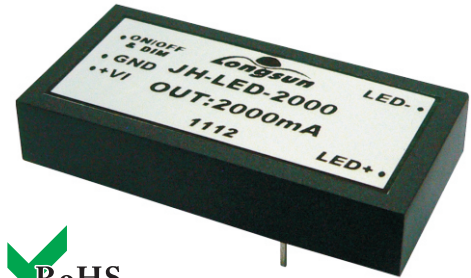


- ◆ Dc-Dc Step-Down Converter
- ◆ Non-Isolated
- ◆ Constant Current
- ◆ High Power LED Driver
- ◆ Wide Input Voltage Range
- ◆ High Efficiency (Up to 95%)
- ◆ Remote Control Function : Analog Voltage Control
- ◆ Dimming Function : PWM control (10~90%)
- ◆ Industry Standard Package And Pinout



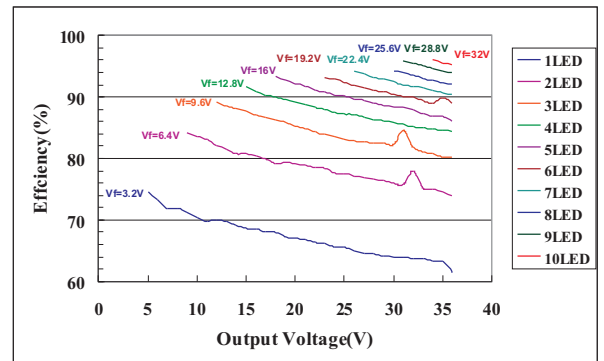
### Part Selection:

PART NUMBER	INPUT VOLTAGE (VDC)	OUTPUT CURRENT (mA)	OUTPUT VOLTAGE (V)	EFFICIENCY (%)
JH-LED-1600	5-36V	1600	2-32V	95
JH-LED-1800	5-36V	1800	2-32V	95
JH-LED-2000	5-36V	2000	2-32V	95

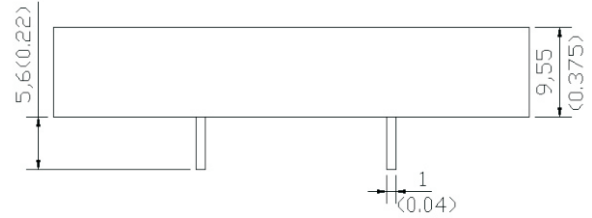
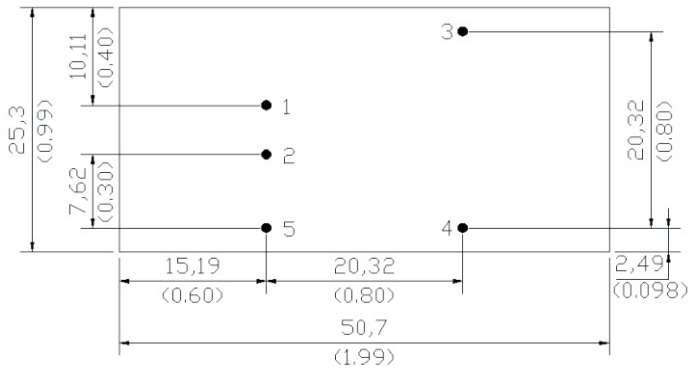
### Specifications:

· At nominal Input, rated output current and 25°C
· DC Input Voltage 5 - 36V (24V Recommended )
· Output Voltage 2 - 32V
· Output Current 1600mA~2000mA ( ± 5% Accuracy)
· Efficiency at Full Load 95% Max (See Note 1)
· Operating Frequency 1.5MHz(MAX)
· Short Circuit Protection Regulated at the rated model current
· Output Open Protection No Load
· Capacitive Load 100uF max
· Case Material Non-Conductive Black Plastic 100°C max
· Potting Material Epoxy (Flammability UL94V-0)
· Dimensions 1.99x0.99x0.37 inches( 50.7 × 25.3 × 9.55mm)
· Operating Temperature Range -40°C~ +70°C(Free air convection)
· Storage Temperature Range -40°C~ +125°C
· Remote ON/OFF DC ON Open (Leave open if not used ) DC OFF Vr<0V
· Dimming Control Max PWM Frequency (10%~90%) 200Hz (Leave open if not used )
· Relative Humidity 95%

### Typical characteristics



### Mechanical Specifications

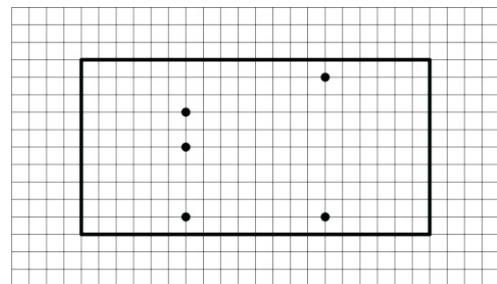


### Pin Connections:

Pin	Single
1	+Vin
2	-Vin
3	LED+
4	LED-
5	Remote On/Off & Dimming Control

Tolerance	Millimeters	Inches
	.X ± 0.25	.XX ± 0.01
	.XX ± 0.25	.XXX ± 0.01
Pin	± 0.05	± 0.002

### Recommended Pin Patterns Bottom View (2.54mm / 0.1inch grids)



NC : No Connections

### Note:

1. All specifications are typical at Ta=25°C, nominal input voltage, resistive load and current unless otherwise noted.
2. Specifications subject to change without notice.

### Application Circuits:

