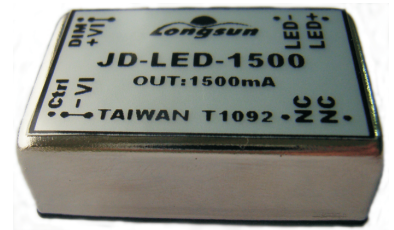


- ◆ Dc-Dc Step-Down Converter
- ◆ Constant Current
- ◆ High Power LED Driver
- ◆ Wide Input Voltage Range
- ◆ High Efficiency (Up to 95%)
- ◆ Remote Control Function : PWM / Analog Voltage Control
- ◆ Dimming Function : PWM / Analog Voltage control (0~100%)
- ◆ 24 Pin Dip With Industry Standard Package And Pinout



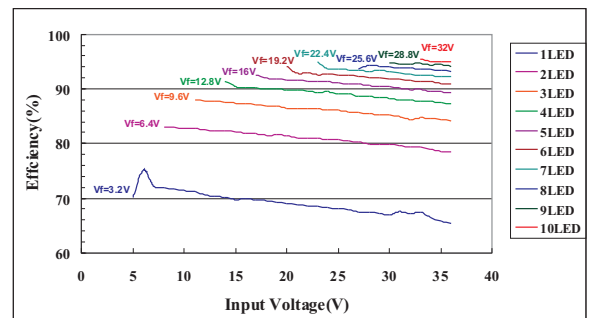
### Part Selection:

PART NUMBER	INPUT VOLTAGE (VDC)	OUTPUT CURRENT (mA)	OUTPUT VOLTAGE (V)	EFFICIENCY (%)
JD-LED-1300	5-36V	1300	2-32V	95
JD-LED-1400	5-36V	1400	2-32V	95
JD-LED-1500	5-36V	1500	2-32V	95

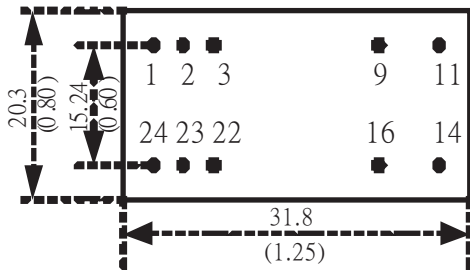
### Specifications:

· At nominal Input, rated output current and 25°C
· DC Input Voltage 5 - 36V (24V Recommended )
· Output Voltage 2 - 32V
· Output Current 1300mA~1500mA ( ± 5% Accuracy)
· Efficiency at Full Load 95% Max (See Note 1)
· Operating Frequency 260KHz
· Short Circuit Protection Regulated at the rated model current
· Output Open Protection No Load
· Capacitive Load 100uF max
· Output Ripple and Noise 300mVp-p max
· Case Material Nickel-Coated Copper with Non-Conductive Base
· Potting Material Epoxy (Flammability UL94V-0)
· Dimensions 1.25×0.8×0.445 inches ( 31.8 × 20.3 × 11.3mm)
· Operating Temperature Range -40°C ~ +70°C (Free air convection)
· Storage Temperature Range -40°C ~ +125°C
· Remote ON/OFF DC ON Open or 0V < Vr < 0.6V (Leave open if not used ) DC OFF 0.6V < Vr < 5V (1mA Max)
· Dimming Control Max PWM Frequency (10%~90%) 200Hz (Leave open if not used ) Analog Voltage (0%~100%) 0~4.5V (1mA max) JD-LED-1300,1400,1500
· Relative Humidity 95%

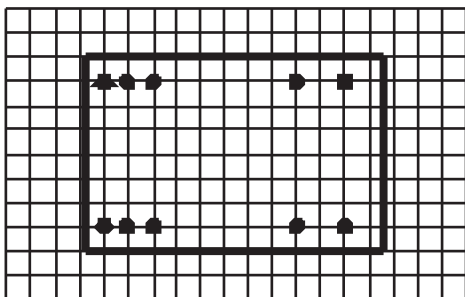
### Typical characteristics



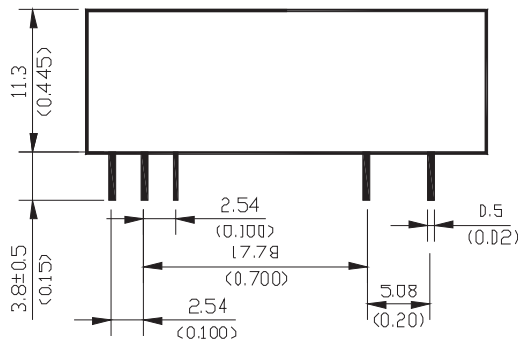
### Mechanical Specifications



	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)



### Pin Connections:

Pin	Single
1	Remote Control On/Off
22 & 23	+Vin
2 & 3	-Vin
9	NC
11	NC
14	LED+
16	LED-
24	DIM

#### 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:

