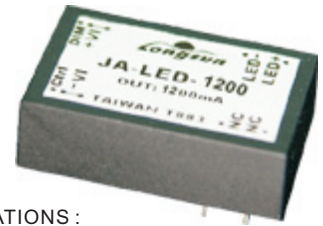


- ◆ Dc-Dc Step-Down Converter
- ◆ Constant Current
- ◆ High Power LED Driver
- ◆ Wide Input Voltage Range
- ◆ High Efficiency (Up to 96%)
- ◆ Remote Control Function :
- ◆ PWM / Analog Voltage Control
- ◆ Dimming Function :
- ◆ PWM / Analog Voltage control (0~100%)
- ◆ 24 Pin Dip With Industry Standard Package And Pinout



ELECTRICAL SPECIFICATIONS :
At Nominal Input , Full Load and 25°C



Part Selection:

PART NUMBER	INPUT VOLTAGE (VDC)	OUTPUT CURRENT (mA)	OUTPUT VOLTAGE (V)	EFFICIENCY (%)
JA-LED-300	5-36V	300	2-32V	96
JA-LED-350	5-36V	350	2-32V	96
JA-LED-500	5-36V	500	2-32V	96
JA-LED-600	5-36V	600	2-32V	96
JA-LED-700	5-36V	700	2-32V	96
JA-LED-800	5-36V	800	2-32V	96
JA-LED-900	5-36V	900	2-32V	96
JA-LED-1000	5-36V	1000	2-32V	96
JA-LED-1100	5-36V	1100	2-32V	96
JA-LED-1200	5-36V	1200	2-32V	96

Note:

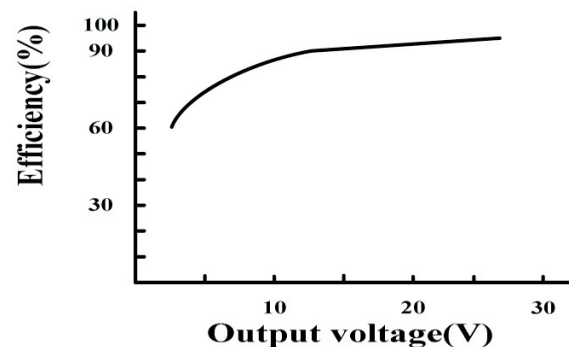
1. Vin = 24V, Iout = 300-1200mA

Specifications:

- At nominal Input, rated output current and 25°C
- DC Input Voltage 5 - 36V (24V Recommended)
- Output Voltage 2 - 32V
- Output Current 300 - 1200mA (± 2% Accuracy)
- Efficiency at Full Load 96% 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 120mVp-p max

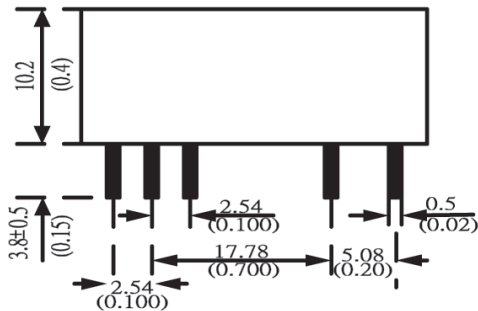
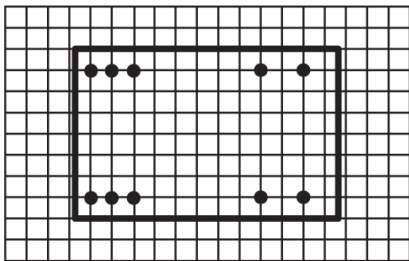
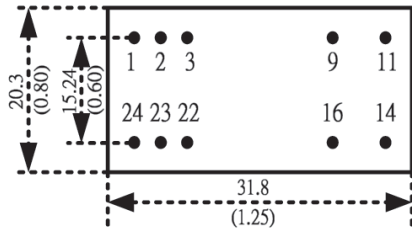
HIGH POWER LED DRIVER

- Case Material Non-Conductive Black Plastic 100°C max
- Potting Material Epoxy (Flammability UL94V-0)
- Dimensions 1.25× 0.8 × 0.4 inches(31.8 × 20.3 × 10.2mm)
- Operating Temperature Range -40°C ~ +85°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) JA-LED-300, 350, 500
- 0-6.5mA max) JA-LED-600, 700, 800,
900, 1000, 1100, 1200
- Relative Humidity 95%



Mechanical Specifications

Bottom View



Recommended Pin Patterns

Bottom View (2.54mm / 0.1inch grids)

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

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

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.

