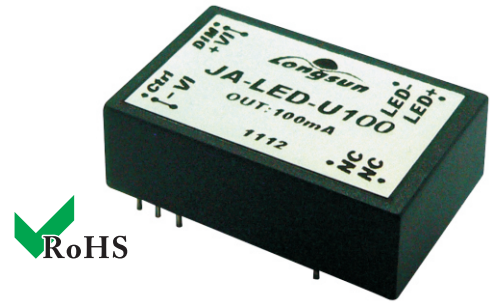


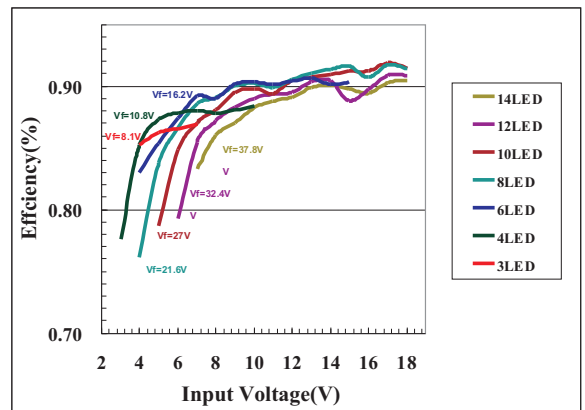
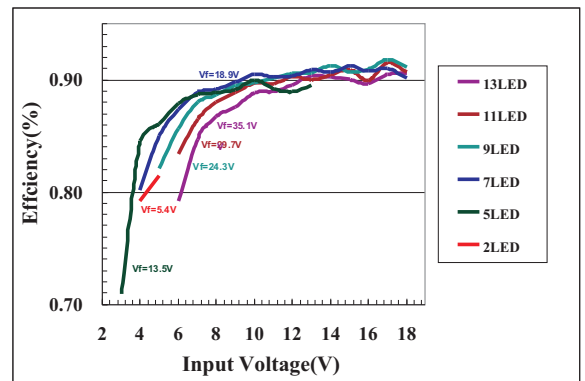
- ◆ Dc-Dc Step-Up Converter
- ◆ Non-Isolated
- ◆ Constant Current
- ◆ High Power LED Driver
- ◆ Wide Input Voltage Range
- ◆ High Efficiency (Up to 90%)
- ◆ Remote Control Function : Analog Voltage Control
- ◆ Dimming Function : PWM control (10~90%)
- ◆ 24 Pin Dip With Industry Standard Package And Pinout



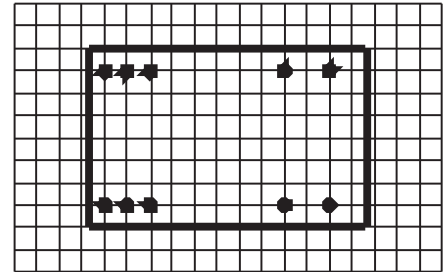
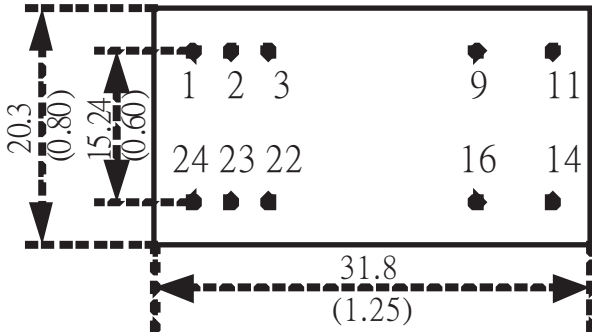
Part Selection:				
PART NUMBER	INPUT VOLTAGE	OUTPUT CURRENT	OUTPUT VOLTAGE	EFFICIENCY
	(VDC)	(mA)	(V)	(%)
JA-LED-U100	3-18V	100	5-38V	90

Specifications:
· At nominal Input, rated output current and 25°C
· DC Input Voltage 3 - 18V (12V Recommended)
· Output Voltage 5 - 38V
· Output Current 100mA (± 5% Accuracy)
· Efficiency at Full Load 90% Max (See Note 1)
· Operating Frequency 1.2MHz
· 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 1.25×0.8×0.445 inches(31.8 × 20.3 × 11.3mm)
· Operating Temperature Range -40°C ~ +85°C (Free air convection)
· Storage Temperature Range -40°C ~ +125°C
· Remote ON/OFF DC ON Vr = DC Input Voltage
DC OFF Vr = 0V
· Dimming Control Max PWM Frequency (10%~90%) 200Hz
(Leave open if not used)
· Relative Humidity 95%

Typical characteristics

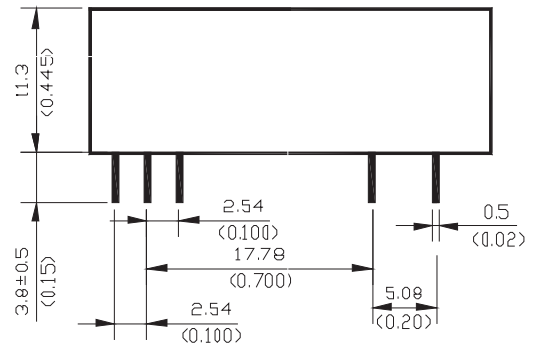


Mechanical Specifications



Pin Connections:

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



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

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.

