

- Dc-Dc Step-Down Converter
- Constant Current
- High Power LED Driver
- Wide Input Voltage Range
- High Efficiency (Up to 96%)
- Remote Control Function :
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	OUTPUT CURRENT	OUTPUT VOLTAGE	EFFICIENCY
	(VDC)	(mA)	(V)	(%)
FD-LED-1500	5-36V	1500	2-32V	95

Note:

1. Vin = 24V, Iout = 1500mA

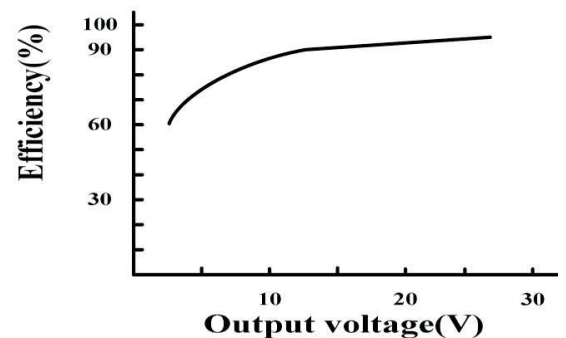
Specifications:

At nominal Input, rated output current and 25°C
DC Input Voltage: 5 - 36V (24V Recommended)
Output Voltage: 2 - 32V
Output Current: 1500mA (± 5% Accuracy)
Efficiency at Full Load: 95%
Operating Frequency: 260KHz typ
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



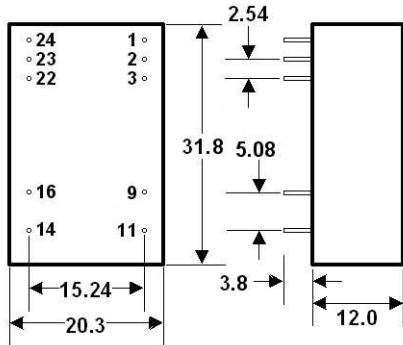
HIGH POWER LED DRIVER

- Case Material: Nickel-Coated Copper with Non-Conductive Base
- Potting Material Epoxy: UL94V-0 approved
- Dimensions: 1.25x 0.8 x 0.445inches (31.8 x 20.3 x 11.3mm)
- Operating Temperature Range: -40°C ~ +70°C (Free a ir 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
- Relative Humidity: 95%



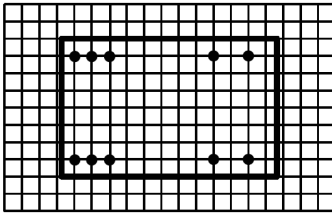
Mechanical Specifications

BOTTOM VIEW SIDE VIEW



Tolerance	Millimetres
	.X ± 0.25
	.XX ± 0.25
Pin	±0.05

Recommended Pin Patterns Bottom View (2.54mm grids)



Pin	Single
2	Remote ON/OFF
22 & 23	+Vin
2 & 3	-Vin
9	NC
11	NC
14	LED+
16	LED-
24	DIM

Note:

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

Application Circuit

