

SJD-LED-1500

SCHMID-M

Features:

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



Specifications:

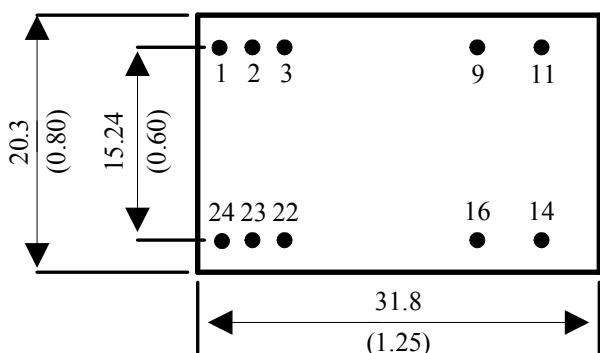
At nominal Input, rated output current and 25°C

➤ DC Input Voltage	5-33V(24V Recommended)
➤ Output Voltage	2-30V
➤ Output Current	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	1.25×0.8×0.43 inches (31.8 × 20.3 × 11mm)
➤ 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	200Hz PWM Frequency (10%~90%)
(Leave open if not used)	Analog Voltage (0%~100%) 0~4.5V (1mA max.)
➤ Relative Humidity	95%

HIGH POWER LED DRIVER

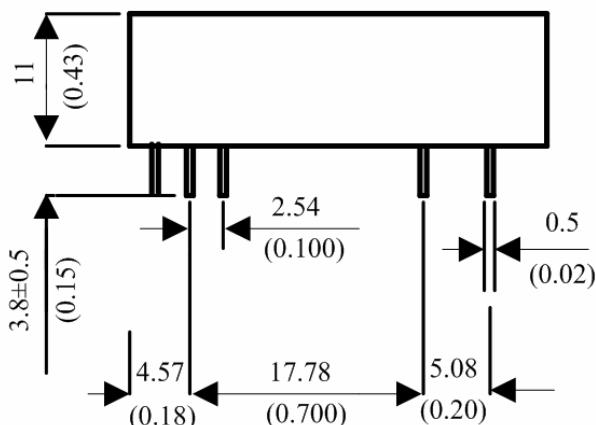
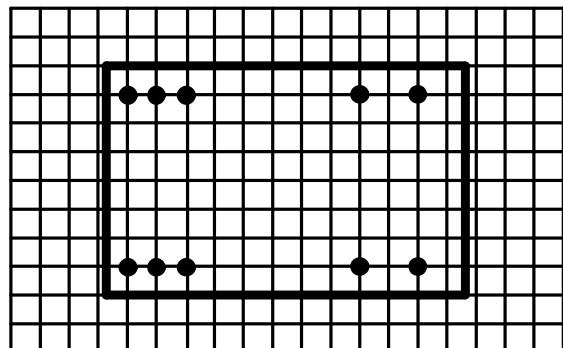
Mechanical Specifications:

Bottom View



Recommended Pin Patterns

Bottom View (2.54mm / 0.1inch grids)



Pin Connections:

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

NC : No Connections

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 $T_a=25^\circ\text{C}$, nominal input voltage, resistive load and current unless otherwise noted.
2. Specifications subject to change without notice.

HIGH POWER LED DRIVER

Application Circuits:

