

# **SJN-LED-5000**

## **HIGH POWER LED DRIVER**

### **Features:**

- High Current Output LED Driver
- Maximum 5000mA Constant Current
- Non-Isolated
- Wide Input Voltage Range
- High Efficiency (Up to 95%)
- Enable Control Function
- Dimming Function : PWM control (10~90%)



### **Part Selection:**

PART NUMBER	INPUT VOLTAGE	OUTPUT CURRENT	OUTPUT VOLTAGE	EFFICENCY
	(VDC)	(mA)	(V)	(%)
SJN-LED-5000	5~33V	5000	3~30V	70 ~ 95

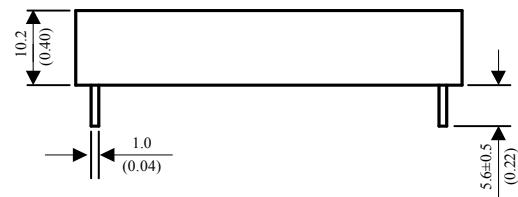
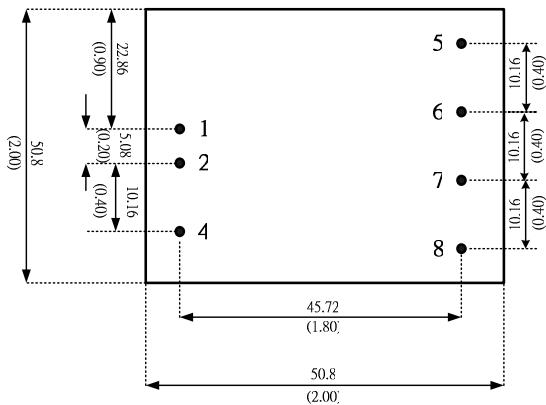
### **Specifications:** At nominal Input, rated output current and 25°C

- DC Input Voltage 5 ~ 33V (24V Recommended)
- Output Voltage 3 ~ 30V
- Output Current 5000mA
- Operating Frequency 1.5MHz (MAX.)
- Short Circuit Protection Regulated at the rated current
- Output Open Protection
- Case Material Nickel-Coated Copper with Non-Conductive Base
- Potting Material Epoxy (Flammability UL94V-0)
- Dimensions 2.0 × 2.0 × 0.4 inches( 50.8 × 50.8 × 10.2mm)
- Operating Temperature Range -40°C ~ +70°C (Free air convection)
- Storage Temperature Range -40°C ~ +125°C
- Dimming Control PWM Frequency (10%~90%) 20KHz  
Logical Level High : 2.0V MIN.  
Logical Level Low : 0.4V MAX.  
(Leave open if not used )
- Enable Control Logical Level High : 2.0V MIN.  
Logical Level Low : 0.4V MAX.
- Relative Humidity 95%

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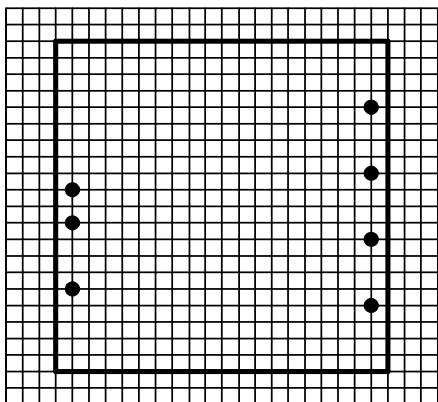
## Mechanical Specifications:

Bottom View



### Recommended Pin Patterns

Bottom View (2.54mm / 0.1inch grids)



### Pin Connections:

Pin	
1	+Vin
2	-Vin
4	Enable Control
5	LED+
7	LED-
8	Dimming Control

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.