

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

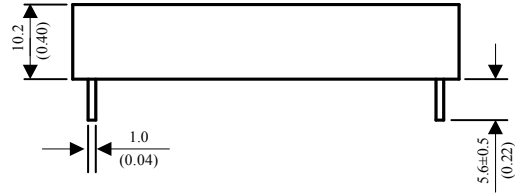
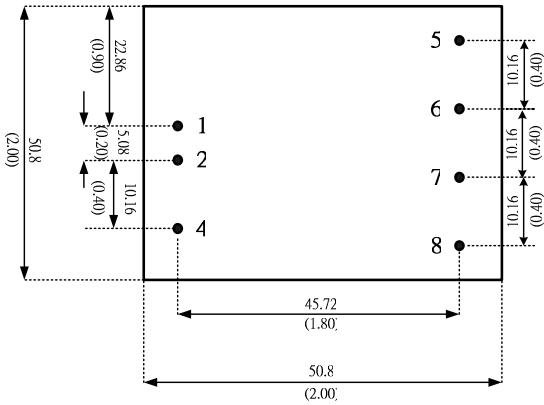
Specifications:

- 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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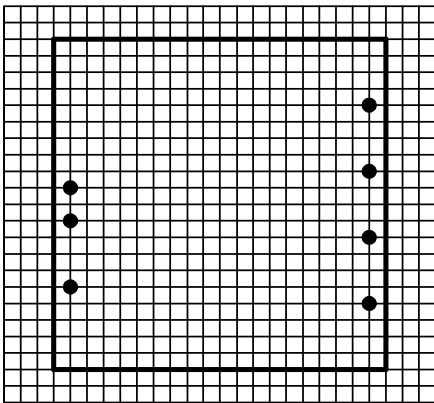
Mechanical Specifications:

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.