

## SPECIFICATION SHEET



TYPE:

PROJECT:

QTY:

### SMT-024-030VTHV2

Smart Triac dimming LED driver, 24v, 30w power supply



#### Features

- Flicker free PWM output, constant voltage
- Intelligent adaptive input: universal triac dimming, forward or reverse phase
- Input voltage range 100-277vac
- Integrated isolated HV and LV junction boxes with multiple knock-outs
- Protection against short circuit, overloading, and over temperature
- Suitable for dry, damp, and wet location
- Built-in PFC function, PF>0.98
- Efficiency>87% / load: 0~100%
- 7-year warranty

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## Specifications

Output	DC Voltage	24VDC
	Voltage Accuracy	±5%
	Rated current	1.25Amp
	Rated power	30W
	Voltage Regulation	±0.5%
	Load Regulation	±1%
Input	Voltage Range	100-277 VAC
	Frequency Range	47~63HZ
	Power Factor (Typ.)	PF≥0.99/110V   PF≥0.97/277V
	Full Load Efficiency (Typ.)	>84%
	AC Current (Typ.)	0.33A/110VAC / 0.13A/277VAC
	Leakage current	<0.27mA/110VAC; <0.25mA/277VAC
Protection	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed.
	Over Loading	≤120% shut down o/p voltage, re-power on to recover
	Over temperature	100°C±10°C shut down o/p voltage, automatically recover after cooling.
Environment	Working TEMP.	-40~+60°C
	Working Humidity	20~90%RH, non-condensing
	Storage TEM. Humidity	-40~+80°C, 10~95%RH
	TEMP. coefficient	±0.03%/°C (0~50°C)
	Vibration	10~500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes
Safety & EMC	Safety standards	UL8750+UL1310
	Withstand voltage	I/P-O/P: 3.75KVAC
	Isolation resistance	I/P-O/P: 100MΩ/500VDC/25°C/70%RH
	EMC EMISSION	FCC Part 15 B
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,11, A light industry level
Others	Weight	0.95Kg
	Size	165*94.5*40mm (L*W*H)
	Packing	355*215*215mm / 10PCS/CTN
Notes	1. All parameters NOT specially mentioned are measured at 110VAC, 277VAC input, Rated load and 25°C of ambient temperature. 2. Tolerance: includes set up tolerance, line regulation and load regulation.	