

# LED External Driver—LKAD017V

## —产品特性/Feature—



- 90-277VAC(50/60Hz)输入/ 90-277VAC(50/60Hz) Input
- 隔离方案, 不调光/Isolated,non-dimmable driver;
- 高效率、稳定性好/ Hight efficiency,good steady;
- 短路保护,过流保护,过压保护,过温保护/ Short circuit,over voltage,over current and over temperature protection;
- 自然风冷/ cooling by free air convection;
- 100%满载老化测试/ 100% full load burn-in test;
- 通过 SAA认证/ SAA approved;
- 独立外置, Class II 恒压类型/Independent, Class II constant voltage type;
- 防护等级 IP65/ degree of protection IP65;
- 适用于灯条、灯带等照明应用/ Suitable for LED strip lighting and so on;
- 3年质保期/ 3 years warranty.



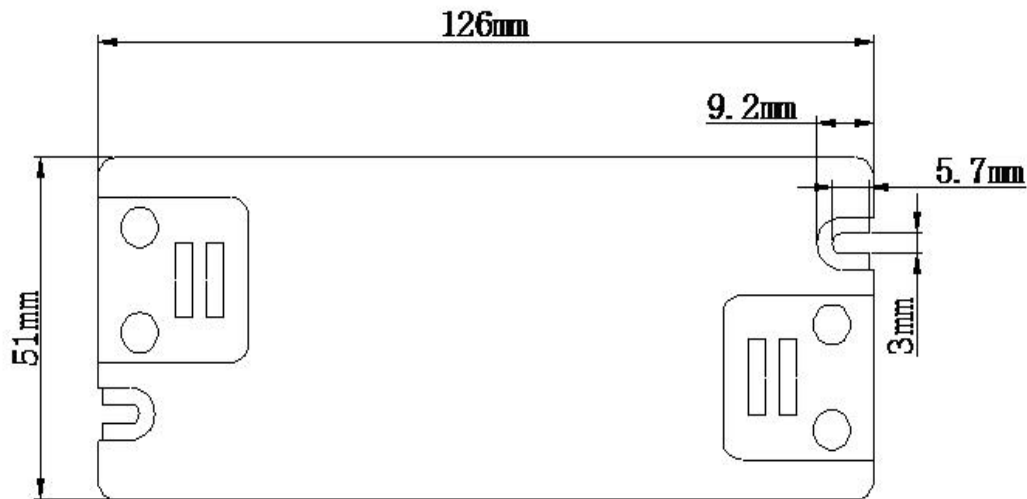
## 产品参数/Specification

Model		LKAD017V	
输入 Input	AC电压范围/AC Voltage range	90-277V	
	频率/Frequency	50/60hz	
	谐波/THD		
	功率因数/Power factor	0.48/230VAC	
输出 Output	额定电压/Rated voltage	12V	
	空载电压/No-load Voltage	12.4V	
	DC电压范围/DC voltage range	11.1-12.4V	
	DC电流范围/DC current range	1000-1500mA	
	电流精度/Current precision	(+/-)5%	
	额定功率/Rated power	18W	
	开机延时/Setup Time	≤0.5s/230VAC	
使用环境 Environment Requirements	工作温度/湿度要求 Operating Temp./RH	-30~+45℃/20~95%	
	储存温度,湿度要求 Storage Temp./RH	-40~+80℃/10~95%	
安全和电磁兼容	认证编号/Certificate	SAA:SF201501544	
		TUV:64.140.16.00628.01	
其他	尺寸/Size	L126mm*W51mm*H15mm	
	重量/Net weight	---	

测试数据/Test data

输入电压 Input voltage ( Vac)	输入电流 Input current ( mA)	输入功率 Input power ( W)	功率因数 PF	输出电压 Output voltage ( Vdc)	输出电流 Output current ( mA)	输出功率 Output Power ( W)	转换效率 Efficiency (%)	谐波系数 THD
90	277.40	14.45	0.57	11.42	1000	11.42	79.0%	
	325.40	18.01	0.61	11.33	1250	14.16	78.6%	
	381.40	21.17	0.62	11.02	1500	16.54	78.1%	
120	222.70	14.27	0.53	11.33	1000	11.33	79.4%	
	272.30	17.71	0.54	11.21	1250	14.02	79.1%	
	322.70	21.19	0.55	11.09	1500	16.64	78.5%	
230	136.70	14.12	0.45	11.32	1000	11.32	80.2%	
	165.80	17.50	0.45	11.20	1250	14.00	80.0%	
	191.30	20.83	0.48	11.11	1500	16.66	80.0%	
277	115.00	14.20	0.43	11.30	1000	11.30	79.6%	
	145.00	17.46	0.44	11.20	1250	14.00	80.2%	
	170.30	20.91	0.44	11.09	1500	16.64	79.6%	

产品尺寸图/ Product Size Diagram



产品接线示意图/ Product Connection Diagram



备注/Note:

1. 所有没提及到的参数都是在230V输入，额定负载和在周围温度为25°C的情况下测试的；  
All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 of ambient temperature;
2. 本驱动电源是作为一个部件与最终的设备结合进行操作的。因为EMC的性能在电源完全安装后会受到影响，因此最终设备制造商在完成安装后必须重新获取EMC指示认定。  
The LED driver is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.
3. 可以直接与LEDs连接，但不适宜与额外的驱动电源使用；  
Direct connecting to LEDs is suggested, but is not suitable for using additional drivers.
4. 为了满足在灯具安装中最后的ErP校准要求，本驱动电源只能在一个不是永久地连接在交流干线的开关后面使用。  
To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED power supply can only be used behind a switch without permanently connect to the mains.

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