



Hight PF External LED Driver—LKAD019F

—产品特性/Feature—



- 100-277VAC(50/60Hz)输入/ 100-277VAC(50/60Hz) Input
- 隔离方案, 不调光/Isolated,non-dimmable driver;
- 高效率、高功率因素, 稳定性好/ Hight efficiency,high PF,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UL、FCC认证/UL、FCC approved;
- 独立外置, Class II 恒流类型/ independent, Class II constant current type;
- 防护等级 IP67/ degree of protection IP67;
- 适用于面板灯/天花灯/筒灯等照明应用/ suitable for LED lighting,ceiling light,down light and panel light;
- 3年质保期/ 3 years warranty.



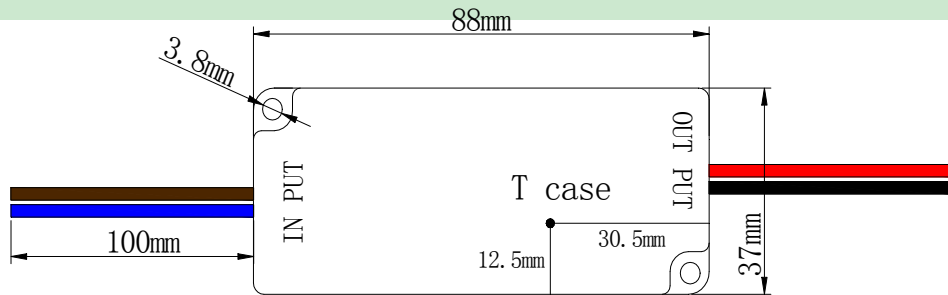
产品参数/Specification

Model		LKAD019F	
输入 Input	AC电压范围/AC Voltage range	100-277V	
	频率/Frequency	50/60hz	
	谐波/THD		
	功率因数/Power factor	0.96/230VAC	
输出 Output	额定电压/Rated voltage	40V	
	空载电压/No-load Voltage	45V	
	DC电压范围/DC voltage range	18-40V	
	DC电流范围/DC current range	680-710mA	
	电流精度/Current precision	(+/-)5%	
	额定功率/Rated power	28W	
	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°C/20~95%	
	储存温度,湿度要求 Storage Temp./RH	-40~+80°C/10~95%	
安全和电磁兼容	认证编号/Certificate	UL:E478938	
		FCC:WTD14S1019301E	
其他	平均无故障工作时间 (MBTF)	50000Hours (TC≤85°C)	
	尺寸/Size	L88*W37*H24mm	

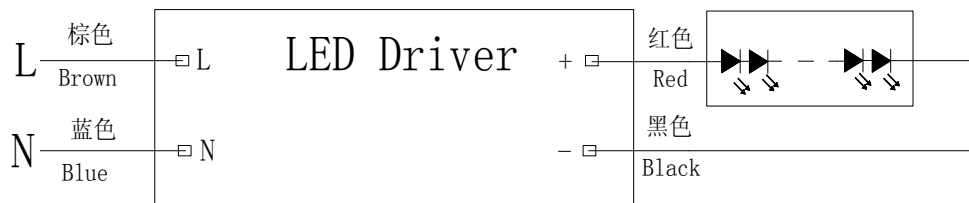
测试数据/Test data

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	201.80	16.95	0.989	20.00	700	14.00	82.6%	
	302.00	25.45	0.995	30.00	703	21.09	82.9%	
	407.00	34.27	0.997	40.00	702	28.08	81.9%	
110	153.00	16.48	0.984	20.00	696	13.92	84.5%	
	228.30	24.66	0.991	30.00	702	21.06	85.4%	
	303.50	32.86	0.994	40.00	701	28.04	85.3%	
240	74.60	16.70	0.912	20.00	684	13.68	81.9%	
	107.00	24.40	0.948	30.00	704	21.12	86.6%	
	138.70	32.30	0.967	40.00	706	28.24	87.4%	
264	70.00	16.35	0.892	20.00	682	13.64	83.4%	
	100.00	24.52	0.936	30.00	702	21.06	85.9%	
	130.00	32.45	0.954	40.00	707	28.28	87.1%	

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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