

PUP10T-1HMC-700⁽¹⁰⁴¹⁰⁰²²⁰¹⁰¹⁾

Summary

PUP10T-1HMC-700 is a constant current output mode LED driver. The output current can be easily set via DIP switch. The driver supports leading edge (Triac) and trailing edge (ELV) dimmer, achieve a smooth dimming effect.

Product Feature

- Single channel output, output current level selectable by DIP S.W.
- Support Leading edge (Triac) and Trailing edge (ELV) dimmer
- Input Voltage range 220~240VAC
- Built-in active PFC function
- Class 2 power supply. Full protective plastic housing
- Dimming effect smooth, no flicker
- Protections: Short circuit, over load, over voltage
- Suitable for indoor LED lighting application, such as down light, spotlights, panel light and so on



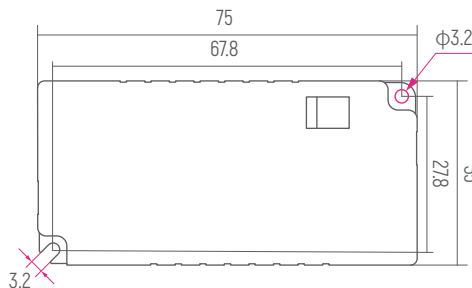
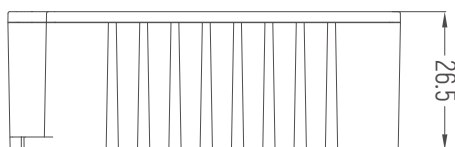
Application



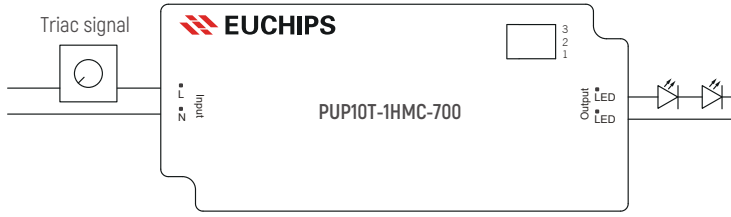
Technical Parameters

Model	PUP10T-1HMC-700				
Input	Efficiency	73%@230VAC, Full load			
	Voltage	220VAC-240VAC			
	Frequency	50/60Hz			
	Power Factor	0.93@230VAC, Full load			
	Current	0.1Amax@100VAC			
	Inrush Current	Cold start, 30A@230VAC			
Output	Current/Voltage/Power	350mA/2-21VDC/7.35W	400mA/2-21VDC/8.4W	450mA/2-21VDC/9.45W	500mA/2-20VDC/10W
		550mA/2-18VDC/9.9W	600mA/2-16VDC/9.9W	650mA/2-15VDC/9.75W	700mA/2-14VDC/9.8W
	Ripple Current	<3%			
	Channel	1			
	Current Tolerance	±5%			
	No Load Output Voltage	50V Max			
Protection	Over Voltage	Hiccups, self recovery after removing faults			
	Over Load	Hiccups, self recovery after removing faults			
	Short Circuit	Shut down the output automatically recovers after faulty condition is removed.			
Safety & EMC	Surge	L-N:0.5kV;			
	Withstand Voltage	I/P-O/P: 3000VAC/1min/5mA			
	Safety standards	EN61347-2-13			
	EMI Eission	EN55015			
	EMC Immunity	EN61000-3-3 EN61000-4-3 EN61000-4-4 EN61000-4-5			
Function	Dimming type	TRIAC			
	Dimming range	3%-100%			
Others	Working Temp.	-20°C~50°C			
	Storage Temp.; Humidity	-40°C~85°C, 20-90%RH			
	Tc	90°C			
	Material	PC			
	IP Rating	IP20			
	Lifetime	50,000h@tc:85°C			
	Warranty Condition	5 years			
	Switch Cycle	>25,000 times			
	Packing Information	Net weight: 96g±5%/PCS; 100PCS/Carton; 10.1kg±5%/Carton; Carton Size: 398x210x208mm(L*W*H)			
	Dimension	75*35*26.5mm(L*W*H)			

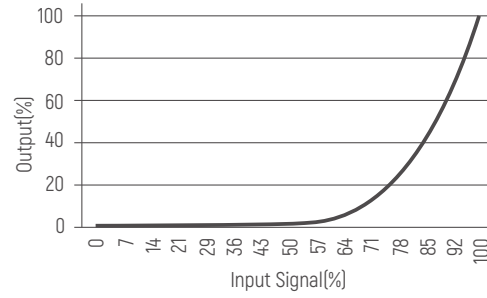
Dimension(mm)



Wiring Diagram



Dimming Curve



Current Selection Table

PUP10T-1HMC-700 is a multi-current dimming driver, output current level selectable by DIP S.W., as the following:

ON	OFF	1 2 3	4 5 6	7 8 9	10 11 12	13 14 15	16 17 18	19 20 21	22 23 24
		350mA	400mA	450mA	500mA	550mA	600mA	650mA	700mA
		2-21V	2-21V	2-21V	2-20V	2-18V	2-16V	2-15V	2-14V

Remark: Function default setting is: 120mA(@switch are all OFF state)

Cautions

- 1.This product should be installed by qualified personnel.
- 2.This product is non waterproof, need to avoid sun and rain.In case of outdoor use, please ensure it is mounted in a water proof enclosure.
- 3.Good heat dissipation conditions extend product life.Please install the product in a well-ventilated environment.
- 4.Please make sure LED power supply output voltage, current is used to meet the product requirements.
- 5.Please ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector.
- 6.Due to safety concerns, PVC or rubber cord of 0.75-2.5mm² is recommended for input and output terminal(s) (excluding signal terminals). Flat power cord is not suitable.Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
- 7.In case of malfunction, do not repair it yourself.

※The contents of this manual are updated without prior notice. If the function of the product you are using is inconsistent with the instructions, the function of the product shall prevail. Please contact us if you have any questions .

PUP10T-1HMC-700(104100220101)

概述

PUP10T-1HMC-700 可以提供多挡电流的LED 驱动器，输出电流可以通过DIP 拨码开关简易设置,这款驱动器支持前沿切相和后沿切相调光器,调光曲线平滑。



产品特点

- 单通道恒流输出，多级电流可选
- 支持前沿/后沿切相调光
- 输入电压范围：220-240VAC
- Class 2电源, 全防护塑胶外壳
- 调光曲线平滑，无闪烁
- 短路保护，过载保护，过压保护



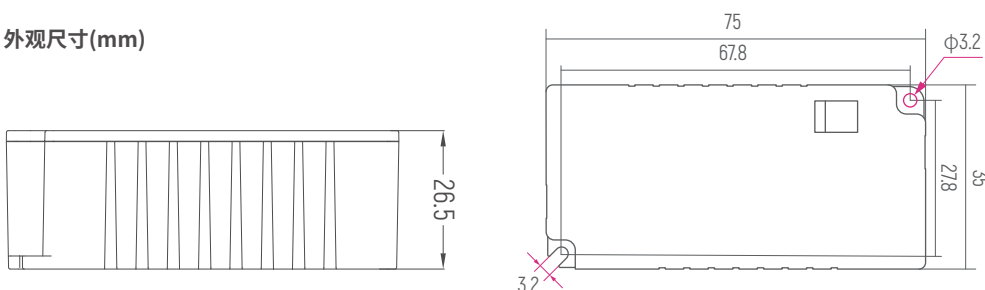
应用



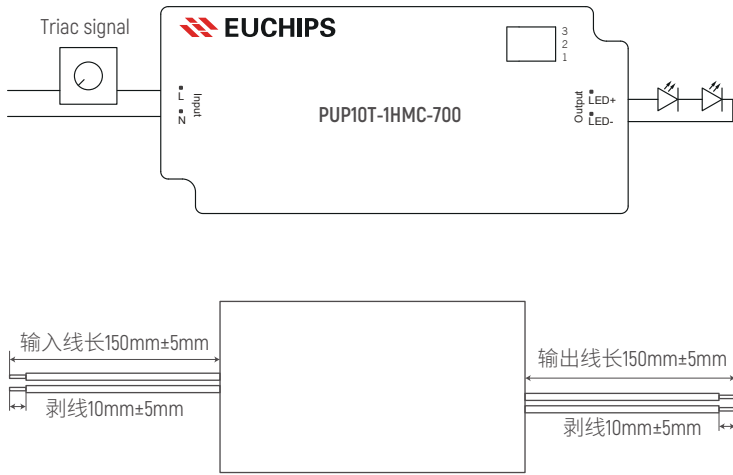
技术参数

型号	PUP10T-1HMC-700				
输入	效率	73%@230VAC, 满载			
	电压	220VAC-240VAC			
	频率	50/60Hz			
	功率因素	>0.93@230VAC, 满载			
	电流	0.1Amax@100VAC			
	浪涌电流	冷启动, 30A@230VAC			
输出	电流/电压/功率	350mA/2-21VDC/7.35W	400mA/2-21VDC/8.4W	450mA/2-21VDC/9.45W	500mA/2-20VDC/10W
		550mA/2-18VDC/9.9W	600mA/2-16VDC/9.9W	650mA/2-15VDC/9.75W	700mA/2-14VDC/9.8W
	波纹电流	<3%			
	通道	1			
	电流公差	±5%			
	空载输出电压	50V Max			
保护	启动延时	<1s, at120Vac			
	过压保护	打嗝，移除故障后自恢复			
	过载保护	打嗝，移除故障后自恢复			
安全与电磁兼容	短路保护	关断输出，移除故障后自恢复			
	浪涌	L-N:0.5kV;			
	耐受电压	I/P-O/P: 3000VAC/1min/5mA			
	安全标准	EN61347-2-13			
	电磁兼容	EN55015			
功能	EMC电磁抗扰度	EN61000-3-3 EN61000-4-3 EN61000-4-4 EN61000-4-5			
	调光模式	TRIAC			
其它	调光范围	3%-100%			
	工作温度	-20°C-50°C			
	储存温度、湿度	-40°C-85°C, 20-90%RH			
	tc	90°C			
	材质	PC			
	防水等级	IP20			
	寿命	50,000小时@tc:85°C			
	质保	5年			
	开关周期	>25,000次			
	包装信息	净重: 96g±5%/个; 100个/箱; 10.1kg±5%/箱; 外箱尺寸: 398x210x208mm(L*W*H)			
	尺寸	75*35*26.5mm(长*宽*高)			

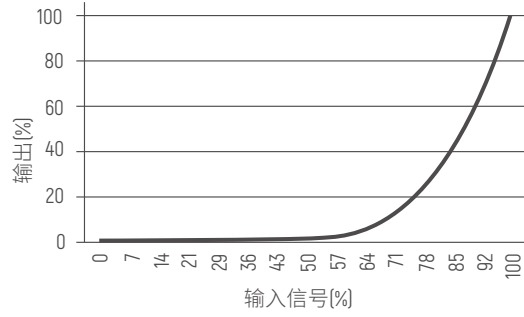
外观尺寸(mm)



应用接线图



调光曲线



电流选择表

PUP10T-1HMC-700是一个多电流调光驱动器，输出电流可通过DIP S.W.选择，如下所示：

ON	OFF	1	2	3	4	5	6	7	8	9
		350mA	400mA	450mA	500mA	550mA	600mA	650mA	700mA	
		2-21V	2-21V	2-21V	2-20V	2-18V	2-16V	2-15V	2-14V	

备注：出厂默认设置电流为120mA(1,2,3在OFF状态)

注意事项

- 1、本产品请由具有专业资格的人员进行调试安装。
- 2、本产品不能防水，需避免日晒雨淋，如安装在户外，请用防水箱。
- 3、良好的散热条件会延长产品的使用寿命，请把产品安装在通风良好的环境。
- 4、请检查使用的LED电源输出电压电流，是否符合产品要求。
- 5、出于安全考虑，推荐输入和输出用0.75-1.5mm²PVC或橡胶线缆，并确保接线牢固，以免电线过热或接触不良触发事故。扁平电源线不适用。
- 6、通电调试前，应确保所有接线正确，避免因接线错误而导致灯具损坏。
- 7、如果发生故障，请勿私自维修；如果有疑问，请联系供应商。

※ 本说明书内容如有更新，恕不另行通知。若您使用的产品功能与说明书不一致时，请以产品为准。
如有疑问请与我们联系。