



LED DRIVER

SNP100-VF-1

Description		constant voltage Led driver, input 200-240VAC		
items	conditions	12V	24V	note
1.output				
1.1 rated input voltage	Ta	AC200-240V	AC200-240V	
1.2 input voltage scope	Ta	AC180-264V	AC180-264V	
1.3 input voltage frequency	Ta	50/60Hz	50/60Hz	
1.4 input current	25°C,input rated voltage, output max rated load	<0.7A	<0.7A	
1.5 input power	25°C,input rated voltage, output max rated load	<118W	<118W	
1.6 Efficiency	25°C,input rated voltage, output max rated load	≥90%	≥90%	Typical
1.7 power consumption without load	25°C,input rated voltage,output without load	<0.5W	<0.5W	Average
1.8 power factor	25°C,input rated voltage, output max rated load	≥0.90	≥0.90	
1.9 input surge current	25°C,input rated voltage, output max rated load	<75A	<75A	Peak
2.output				
2.1 startup time	25°C,input rated voltage, output max rated load	<0.5S@230V 50Hz	<0.5S@230V 50Hz	
2.2 Max.output current	Ta,input rated voltage, output max rated load	8.33A Max.	4.17A Max.	
2.3 rated output power/led lights quantity	Ta,input rated voltage			VF=3.6V
2.4 output current wave	25°C,input rated voltage, output max rated load	--	--	Ip-p
2.5 overshoot	25°C,input rated voltage,output for 2 lights connection,	--	--	
2.5 rated output voltage and precision	Ta,input rated voltage,output rated load	12V±5%	24V±5%	
2.6 output voltage wave	25°C,input rated voltage, output max rated load	<500mV	<600mV	Vp-p
2.7 output open circuit voltage	Ta,input rated voltage,no load	<13V	<26V	
2.8 dimmable mode		--	--	
2.9 dimmable scope		--	--	
3.protection				
3.1 open-circuit protection	Ta,input rated voltage, outputwithout load			
3.2 overload protection	Ta,input 0.94-1.06 times rated voltage,output 2 times of rated load	yes	yes	
3.3 short protection	Ta,input 0.94-1.06 times rated voltage,output short circuit for 1 hour	yes	yes	
3.4 over temperature protection	before Tc reaches 115 °C			
3.5 automatic re-start	Ta,overload, short, over temperature protection retreat	yes	yes	
4.temperature and others				
4.1 working temperature		-20°C~45°C	-20°C~45°C	
4.2 working humidity		45%~85%	45%~85%	
4.3 max cover temperature		85°C	85°C	<90°C
4.4 products life span	max Ta,input rated voltage and output max rated load	30000hrs	30000hrs	
4.5 working noise	25°C,input rated voltage,output rated load,background noise<30dB, pickup is 10cm from product	<35dB	<35dB	
5. mechanical struture,mount and wire connection				
5.1 cover material and size	plastic cover			
5.2 mounting	independent			
5.3 anti-electric shock	Class II			
5.4 protection grade	IP20			
5.5 input connection way	H03VVH2-F 2X0.75mm ²			
5.6 output connection way				
5.7 output wires length	2m max			
6. Standard request				
6.1 safety	IEC61347-1、IEC61347-2-13(with lights IEC60598)			
6.2 harmonic	25°C,input rated voltage,Max. rated load	IEC61000-3-2	IEC61000-3-2	
6.3 EMC--Emission	25°C,input rated voltage,load is typical light	IEC55015	IEC55015	
6.4 EMC--Immunity	25°C,input rated voltage,load is typical light	IEC61547	IEC61547	
6.5 Mark	F and MM mark			