



LED DRIVER

SNP20-VF

Description	Constant voltage Led driver, input 200-240V AC			
	items	conditions	12V	24V
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	50Hz	50Hz	
1.4 input current	25°C, input rated voltage, output max rated load	<0.3A	<0.3A	
1.5 input power	25°C, input rated voltage, output max rated load	<24.5W	<24.5W	
1.6 Efficiency	25°C, input rated voltage, output max rated load	≥82%	≥82%	
1.7 power consumption without load	25°C, input rated voltage, output without load	<0.5W	<0.5W	Average
1.8 power factory	25°C, input rated voltage, output max rated load	≥0.50	≥0.50	
1.9 input surge current	25°C, input rated voltage, output max rated load	<70A	<70A	Peak
2.output				
2.1 time to start	25°C, input rated voltage, output max rated load	<0.5S	<2S	
2.2 constant output current and precision	Ta, input rated voltage, output max rated load	--	--	
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±1.0V	
2.6 output voltage wave	25°C, input rated voltage, output max rated load	<240mV	<480mV	Vp-p
2.7 output open circuit voltage	Ta, input rated voltage, output without load	<13V	<25V	
2.8 dimmable mode		--	--	
2.9 dimmable scope		--	--	
3.protection				
3.1 open protection	Ta, input rated voltage, output without load	yes	yes	
3.2 overload protection	Ta, input 0.94-1.06 times rated voltage, output 1.1 times rated load	yes	yes	
3.3 short protection	Ta, input 0.94-1.06 times rated voltage, output short circuit for 1 hou	yes	yes	
3.4 over temperature protection	temperature detected by IC itself	yes	yes	
3.5 automatic re-start	Ta overload, short, over temperature protection retreated	yes	yes	
4.temperature and others				
4.1 working temperature		-20°C~45°C	-20°C~45°C	
4.2 Relative humidity		45%~85%	45%~85%	
4.3 max cover temperature		80°C	80°C	<90°C
4.4 products life span	max Ta, input rated voltage and output max rated load	30000hr	30000hr	
4.5 working noise	25°C, input rated voltage, output rated load, background noise<30dB, pickup is 10cm far away from product	<35dB		
5. mechanical struture, mount and wire connection way				
5.1 cover material and sizes	plastic cover, 154mmX50mmX14.5mm			
5.2 mounting ways	independent			
5.3 anti-electric shock	Second grade			
5.4 protection grade	IP20			
5.5 input connection way	1 way, terminal, to connect H03VVH2-F 2X0.75mm ²			
5.6 output connection way	1 way, terminal, to connect H03VVH2-F 2X0.75mm ²			
5.7 output wires length	2m max			
6. Standard request				
6.1 security	IEC61347-1、IEC61347-2-13(with light IEC60598)			
6.2 harmonic	25°C, input rated voltage, MAX ated load	IEC61000-3-2	IEC61000-3-2	
6.3 EMC--interference	25°C, input rated voltage, load is typical lights	IEC55015	IEC55015	
6.4 EMC--ANTI interference	25°C, input rated voltage, load is lights	IEC61547	IEC61547	
6.5 Mark	F and MM mark			