



LED DRIVER

SNP60-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℃, input rated voltage, ouput max rated load	<0.5A	<0.5A		
1.5 input power	25℃, input rated voltage, ouput max rated load	<75W	<75W		
1.6 Efficiency	25℃, input rated voltage, ouput max rated load	≥88%	≥88%	Typical	
1.7 power consumption without load	25℃, input rated voltage, ouput without load	<0.5W	<0.5W	Average	
1.8 power factor	25℃, input rated voltage, ouput max rated load	≥0.90	≥0.90		
1.9 input surge current	25℃, input rated voltage, ouput max rated load	<75A	<75A	Peak	
2.output					
2.1 startup time	25℃, input rated voltage, ouput max rated load	<0.5S@230V 50Hz	<0.5S@230V 50Hz		
2.2 Output max current	Ta, input rated voltage, ouput max rated load	5A Max	2.5A Max		
2.3 rated ouput power/led lights quantity	Ta, input rated voltage	VF=3.6V	
2.4 ouput current wave	25℃, input rated voltage, ouput max rated load	--	--	Ip-p	
2.5 overshoot	25℃, input rated voltage, ouput for 2 lights connection,	--	--		
2.5 rated ouput voltage and precison	Ta, input rated voltage, ouput rated load	12V±5%	24V±5%		
2.6 output voltage wave	25℃, input rated voltage, ouput max rated load	<500mV	<600mV	Vp-p	
2.7 ouput open circuit voltage	Ta, input rated voltage	<13v	<26v		
2.8 dimmable mode		--	--		
2.9 dimmable scope		--	--		
3.protection					
3.1 open-circuit protection	Ta, input rated voltage, ouputwithout load		
3.2 overload protection	Ta, input 0.94-1.06 times rated voltage, ouput 2 times 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 temperature reaches 115℃		
3.5 automatic re-start	Ta,overload, short, over temperature protection retreat	yes	yes		
4.temperature and others					
4.1 working temperature		-20℃~45℃	-20℃~45℃		
4.2 working humidity		45%~85%	45%~85%		
4.3 max cover temperature		80℃	80℃	<90℃	
4.4 products life span	max Ta, input rated voltage and ouput max rated load	30000hr	30000hr		
4.5 working noise	25℃, input rated voltage, ouput 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,304.6mmX30mmX16.7mm				
5.2 mounting	independent				
5.3 anti-electric shock	Second grade				
5.4 protection grade	IP20				
5.5 input connection way	single, terminal block, H03VVH2-F 2X0.75mm ²				
5.6 ouput connection way	single, terminal block, H03VVH2-F 2X0.75mm ²				
5.7 ouput wires length	2m max				
6. Standard request					
6.1 safety	IEC61347-1、IEC61347-2-13(with light IEC60598)				
6.2 harmonic	25℃, input rated voltage, MAX rated load	IEC61000-3-2	IEC61000-3-2		
6.3 EMC--Emission	25℃, input rated voltage, load is typical light	IEC55015	IEC55015		
6.4 EMC--Immunity	25℃, input rated voltage, load is typical light	IEC61547	IEC61547		
6.5 Mark	F and MM mark				