



## LED DRIVER

### SNP15-IF-1

Description	constant current LED driver, input 200-240V AC,700mA output			
items	conditions	SNP15-350IF-1	SNP15-700IF-1	note
<b>1.Input</b>				
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	<0.25A	<0.25A	
1.5 input power	25°C,input rated voltage, output max rated load	<20W	<20W	
1.6 Efficiency	25°C,input rated voltage, output max rated load	≥84%	≥78%	
1.7 power consumption without load	25°C,input rated voltage,output without load	<0.8W	<0.8W	Average
1.8 power factor	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
<b>2.output</b>				
2.1 startup time	25°C,input rated voltage, output max rated load	<2S	<2S	
2.2 constant output current and precision	Ta ,input rated voltage, output rated load	350mA±10%	700mA±10%	
2.3 rated output power/led lights quantity	Ta ,input rated voltage	--	--	
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			
2.6 output voltage wave	25°C,input rated voltage, output max rated load	--	--	Vp-p
2.7 output open circuit voltage	Ta,input rated voltage,output without load	<46V	<24V	
2.8 dimmable mode		--	--	
2.9 dimmable scope		--	--	
2.10 output voltage range	Ta, rated input voltage	20-43V	10-21V	
<b>3.protection</b>				
3.1 open protection	Ta ,input rated voltage, outputwithout 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 hour	yes	yes	
3.4 over heat protection	temperature dedected by chips itself	yes	yes	
3.5 automatic re-start	Ta overload, short, over temperature protection retreated	yes	yes	
<b>4. temperature and others</b>				
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		75°C	75°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			"--"
<b>5. mechanical struture,mount and wire connection way</b>				
5.1 cover material and sizes		plastic cover,128.2mmX50.5mmX13.5mm		
5.2 mounting ways		independent		
5.3 anti-electric shock		Class II		
5.4 protection grade		IP20		
5.5 input connection way		terminal,to connect H03VVH2-F 2X0.75mm2		
5.6 output connection way		terminal,to connect H03VVH2-F 2X0.75mm2		
5.7 output wires length		2m max		
<b>6. Standard request</b>				
6.1 security		IEC61347-1、IEC61347-2-13		
6.2 harmonic	25°C,input rated voltage,Max.rated load	IEC61000-3-2	IEC61000-3-2	
6.3 EMI	25°C,input rated voltage,load is typical lights	IEC55015	IEC55015	
6.4 EMS	25°C,input rated voltage,load is lights	IEC61547	IEC61547	
6.5 Mark		F and MM mark		