



LED DRIVER SNP20-IF

Description		Constant current Led driver, input 200-240V AC, 350MA output				
items	conditions	350IF	500IF	700IF	note	
1.Input						
1.1 rated input voltage	Ta	AC200-240V	AC200-240V	AC200-240V		
1.2 input voltage scope	Ta	AC180-264V	AC180-264V	AC180-264V		
1.3 input voltage frequency	Ta	50Hz	50Hz	50Hz		
1.4 input current	25°C, input rated voltage, output max rated load	<0.3A	<0.3A	<0.3A		
1.5 input power	25°C, input rated voltage, output max rated load	<24.5W	<24.5W	<24.5W		
1.6 Efficiency	25°C, input rated voltage, output max rated load	≥83%	≥84%	≥82%		
1.7 power consumption without load	25°C, input rated voltage, output without load	<1W	<1W	<0.5W	Average	
1.8 power factory	25°C, input rated voltage, output max rated load	≥0.50	≥0.50	≥0.50		
1.9 input surge current	25°C, input rated voltage, output max rated load	<70A	<70A	<70A	Peak	
2.output						
2.1 startup time	25°C, input rated voltage, output max rated load	<1S	<1S	<1S		
2.2 constant output current and precision	Ta, input rated voltage, output rated load	350mA±10%	500mA±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	<40mA	<35mA	<35mA	Ip-p	
2.5 overshoot	25°C, input rated voltage, output for 2 lights	--	--	--		
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	<60V	<43V	<32V		
2.8 dimmable mode		--	--	--		
2.9 dimmable scope		--	--	--		
2.10 output voltage range		30~56V		14~29V		
3.protection						
3.1 open protection	Ta, input rated voltage, output without load	yes	yes	yes		
3.2 overload protection	Ta, input 0.94-1.06 times rated voltage, output 1.1 times rated load	yes	yes	yes		
3.3 short protection	Ta, input 0.94-1.06 times rated voltage, output short circuit for 1 hour	yes	yes	yes		
3.4 over temperature protection	temperature detected by IC itself	yes	yes	yes		
3.5 automatic re-start	Ta overload, short, over temperature protection retreated	yes	yes	yes		
4. temperature and others						
4.1 working temperature		-20°C~45°C	-20°C~45°C	-20°C~45°C		
4.2 Relative humidity		45%~85%	45%~85%	45%~85%		
4.3 max cover temperature		80°C	80°C	80°C	<90°C	
4.4 products life span	under max Ta, input rated voltage and output max rated load	30000hr	30000hr	30000hr		
4.5 working noise	25°C, input rated voltage, output rated load, background	<35dB	<35dB	<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	IEC61000-3-2		
6.3 EMC--interference	25°C, input rated voltage, load is typical lights	IEC55015	IEC55015	IEC55015		
6.4 EMC--ANTI interference	25°C, input rated voltage, load is lights	IEC61547	IEC61547	IEC61547		
6.5 Mark	F and MM mark					