



LED POWER SUPPLY DATASHEET

Product Type	SNB36-350IF/SNB21 - 240IF/SNB8-80IF	Product Code	/	Project Number	/
Draw By		Updated Date	2023/8/9	Version	A0

1. Compliances and Approvals					
1.1	Approbation type	CE ERP			
1.2	Ipxx	N.A			
1.3	Classification	Class II			
1.4	Isolation/SELV	Non-isolated			
1.5	Others				

2. Electronic Requirements		Condition	SNB36-350IF	SNB21-240IF	SNB8-80IF
Input					
2.1	Rated mains Voltage (V)	ta	220-240	220-240	220-240
2.2	Operational Voltage limits (V)	ta	198-264	198-264	198-264
2.3	Mains Frequency (Hz)	Rated supply voltage range	50/60	50/60	50/60
2.4	DC voltage operation (Vdc)	ta	N.A	N.A	N.A
2.5	Rated input power (W)	Rated supply voltage range	22-36	12-21	5-8
2.6	Efficiency	Full load	92%	91%	91%
2.7	Rated input current (mA)	Rated supply voltage range	168	182	69
2.8	Power factor	@230V Full load	0.9	0.5	0.5
2.9	ATHD (%)	@230V load-100% load	15%	TBD	TBD
2.10	Standby Power (W)	Rated supply voltage range	0.5	0.5	0.5
2.11	Turn on delay time (ms)	Rated supply voltage range	500	500	500
2.12	Inrush current (A, uS)		TBD	TBD	TBD
2.13	Others				
output					
2.14	Output Voltage (Vdc)		62-103	50-88	60-100
2.15	Output Voltage Tolerance (%)		N.A	N.A	N.A
2.16	Ripple Voltage (mV)		TBD	TBD	TBD
2.17	line regulation (%)	Ta, full load	±5%	±5%	±5%
2.18	load regulation (%)		±5%	±5%	±5%
2.19	Output Current (A)		350	240	80
2.20	Output Current Tolerance (%)		±8%	±8%	±8%
2.21	Ripple Current (%)	Vo and AOC, peak to average, Freq>1KHz 5% Vo and AOC, peak to average, Freq<1KHz 5% Vo and AOC, peak to average, total 5%	5%	5%	5%
2.22	Output Power range (W)		36	21	8
2.23	Max Output Voltage		N.A	N.A	N.A
2.24	PWM dimming		No	No	No
2.25	Output Switch	Output current spike and voltage spike should under limit	N.A	N.A	N.A

3. Protection					
3.1	Short circuit Protection	Hiccup mode, restart automatically after fault correction			
3.2	Open circuit Protection	Hiccup mode, restart automatically after fault correction			
3.3	Over-voltage Protection	N.A			
3.4	Overload Protection	Exceed maximum rated load times 1.3			
3.5	Overtemperature Protection	ta70°C protection			
3.6	Function	N.A			
3.7	Others	N.A			

4. Temperature and others					
4.1	Operation Temperature (°C)		-20-45	-20-45	-20-45
4.2	Operation Humidity		<85%	<85%	<85%
4.3	Maximum Tcase (Tc_max)(°C)		N.A	N.A	N.A
4.4	Lifetime (hrs)	Ta 45°C	30000	30000	30000
		Tc_max	N.A	N.A	N.A
4.5	Warranty (yrs)		3	3	3
4.6	Switch life		15000	15000	15000
4.7	(MTBF) (hrs)		200,000	200,000	200,000
4.8	Storage temperature (°C)		-40-85	-40-85	-40-85
4.9	Storage Humidity (°C)		5-95%	5-95%	5-95%
4.10	Audible noise (DB)		24dB	24dB	24dB
4.11	Hi-Pot (V)		TBD	TBD	TBD
4.12	Others				

5. Function					
5.1	Dimming		N.A	N.A	N.A
5.2	Sensor		N.A	N.A	N.A
5.3	Emergency		N.A	N.A	N.A
5.4	Remote		N.A	N.A	N.A
5.5	Wifi		N.A	N.A	N.A
5.6	Bluetooth		N.A	N.A	N.A
5.7	Zigbee		N.A	N.A	N.A
5.8	DALI		N.A	N.A	N.A
5.9	NFC		N.A	N.A	N.A
5.10	Others		N.A	N.A	N.A

6. EMC/Immunity					
6.1	EMI Margin		EN55015/CISPR15/IEC 61547		
6.2	Harmonic		IEC/EN 61000-3-2		
6.3	Surge (KV)	DM:	Yes	Yes	Yes
		CM:			
6.4	Others				

7. Mechanical & Material					
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7.1	Product Size (mm)		187*14.5*17	TBD	TBD
7.2	Housing Material		N.A	N.A	N.A
7.3	Housing Color (RAL code)		White	N.A	N.A
7.4	Mounting		N.A	N.A	N.A
7.5	Power connection	In	Push terminal	Yes	Yes
		Out	Push terminal	Yes	Yes
		Aux			
7.6	Weight (kg)				
7.7	Others				
8.Compliances and Approvals					
8.1	EMI	EN55015			Yes
8.2	Immunity	EN/IEC 61547			Yes
8.3	Immunity	EN61000-3-2 Class C			Yes
8.4	Safety	IEC61347-1、IEC61347-2-13			Yes
9.Others					
9.1					

Dimensions(mm)

Wiring Diagram