



LED POWER SUPPLY DATASHEET

SNP60-12VF-1(UL)

DESCRIPTION

Linear type, short circuit, overload and over heat protection. Lifetime 30,000hrs. UL listed, helpful for profile aluminum and lightbox.

Input

Items	Conditions	Request		Note
Input voltage	Ta	90-132Vac	180-264Vac	--
Input frequency		50/60Hz	50/60Hz	--
Input current	25°C, rated input voltage, output with max. rated power	< 0.8A	< 0.6A	--
Input power		< 70W	< 88W	--
Efficiency		≥ 86%	≥ 88%	--
Standby		25°C, rated input voltage, output without load	<0.5W	<0.5W
Inrush current	25°C, rated input voltage	<50A	<75A	peak
PF	25°C, rated input voltage, output max. rated power	≥ 0.95	≥ 0.90	--

Temperate and others

Item	Conditions	Request		Note
Operation temp.	--	-20-45°C		--
Relative humidit	--	45%-85%		--
Max. case temp.	--	80°C	85°C	--
Lifetime	Max.Ta. rated input voltage, output with max.rated power	30,000hr		--
Working noise	25°C, rated input voltage, output with rated power, mute box background noise<35dB, pickup 10cm distance from products	yes		--

Protection

Items	Conditions	Request	Note
Open circuit	Ta, rated input voltage, no load	--	--
Over load	Ta(60W), 0.94-1.06 times of input voltage, 2.2 times of rated power	yes	--
	Ta(75W), 0.94-1.06 times of input voltage, 1.8times of rated power	yes	--
Short circuit	Ta, 0.94-1.06 times of input voltage	yes	--
Over temperatur	Ta, 0.94-1.06 times of input voltage, temperature detected pointed more than 115 degree	yes	--
Over voltage	Ta, 0.94-1.06 times of input voltage, output voltage is 1.5 times of rated one	yes	--
Auto recovery	Over load, short circuit and over heat revocation	yes	--
Latch off	Over voltage re-start after cut off	yes	--

Output

Items	Conditions	Request		Note
Startup time	25°C, rated input voltage, output with max. rated power	<1S	<0.5S	--
Output voltage and precision	Ta, rated input voltage, output with rated power	12V±5%		--
Output current range	Ta, rated input voltage	0-5A	0-6.25A	
Output voltage wave	25°C, rated input voltage, output with max. rated power	<300mV	<400mV	Vp-p
Output overload	25°C, rated input voltage, output with 2 times LED load	Yes		--
Output current and precision	Ta, rated input voltage, output with rated power	--		--
Rated output voltage range	Ta, rated input voltage	--		--
Output current wave	25°C, rated input voltage, output with max. rated power	--		Ip-p
Dimming mode	--	--		--
Dimming range	--	--		--

Mechanical, mounting

Items	Conditions
Case material and size	Plastic Case 304.6x30x16.7mm
Mounting ways	Independent
Insulation type	Class II. Class2
IP grade	IP20
Input cables dimension	SPT-2 18AWG
Output cables dimension	SPT-2 18AWG
Output cables length	Max. 2M

Standard

Items	Conditions	
Safety	UL8750	IEC61347-1, IEC61347-2-13
Harmonic	--	EN61000-3-2 Class C
EMI	FCC PART15 CLASSB	EN55015
EMS	--	EN61000-4-2, 3, 4, 5, 6 EN61547

Dimensions(mm)



Wiring Diagram

