



LED POWER SUPPLY DATASHEET

SNP15-24VF

·DESCRIPTION

High Cost Performance, CLASS II, short circuit, overload protection, lifetime 30,000hrs



·Input

Items	Conditions	Request	Note
Input voltage	Ta	180-264Vac	--
Input frequency		50/60Hz	--
Input current	25℃, rated input voltage, output with max. rated power	< 0.23A	--
Input power		< 20W	--
Efficiency		≥ 85%	--
Standby		<0.3W	average
Inrush current	25℃, rated input voltage	<70A	peak
PF	25℃, rated input voltage, output max. rated power	≥0.5	--

·Temperate and others

Item	Conditions	Request	Note
Operation temp.	---	-20-45℃	--
Relative humidity	---	45%-85%	--
Max. case temp.	---	75℃	<90℃
Lifetime	Max.Ta, rated input voltage, output with max. rated power	30,000hr	--
Working noise	25℃, rated input voltage, output with rated power, mute box background noise < 35dB, pickup 10cm distance from products	<35dB	--

·Protection

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

·Output

Items	Conditions	Request	Note
Startup time	25℃, rated input voltage, output with max. rated power	<2S	--
Output voltage and precision	Ta, rated input voltage, output with rated power	24V±10%	>25V
Output current range	Ta, rated input voltage	0-0.625A	--
Output voltage wave	25℃, rated input voltage, output with max. rated power	150mV	Vp-p
Output overload	25℃, 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℃, rated input voltage, output with max. rated power	--	Ip-p
Dimming mode	--	--	--
Dimming range	--	--	--

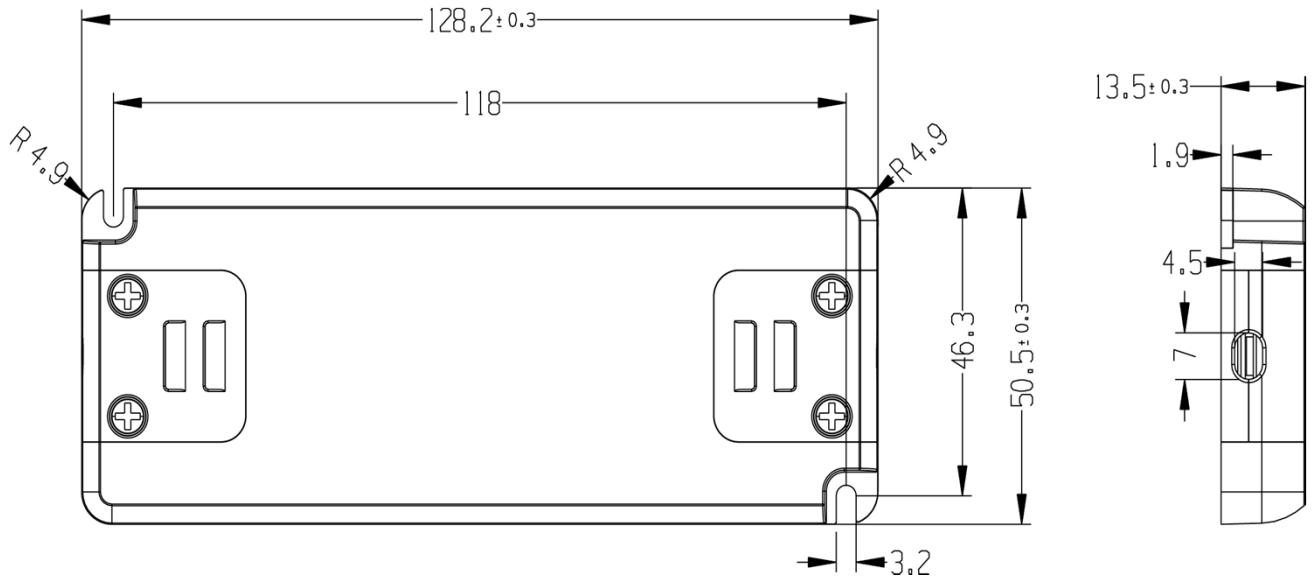
·Mechanical, mounting

Items	Conditions
Case material and size	Plastic case L128.2*W50.5*H13.5mm
Mounting ways	Independent
Insulation type	Class II
IP grade	IP20
Input cables dimension	H03VVH2-F 2×0.75mm²
Output cables dimension	H03VVH2-F 2×0.75mm²
Output cables length	max 2m

·Standard

Items	Conditions
Safety	IEC61347-1, IEC61347-2-13
Harmonic	IEC61000-3-2
EMI	IEC55015
EMS	IEC61547

● Dimensions(mm)



● Wiring Diagram

