

LED POWER SUPPLY DATASHEET

SNP20-24VF

Description

With high performance ,Short circuit,and Over load protect function. Meet Class II, Lifetime 30,000hrs.



Input

Items	Conditions	Request	Note
Input voltage	Ta	180-264Vac	--
Input frequency		50Hz	--
Input current	25℃,rated input voltage, output with max. rated power	< 0.3A	--
Input power		<24.5W	--
efficiency		≥ 82%	--
Standby	25℃,rated input voltage, output without load	<0.5W	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.	--	80℃	<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, 1.2 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 voltage, 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 precisio	Ta , rated input voltage, output with rated power	24V±5%	<25V
Output current range	Ta ,rated input voltage	0-0.83A	--
Output voltage wave	25℃, rated input voltage,output with max. rated power	<480mV	Vp-p
Output overload	25℃,rated input voltage,output with 2 times LED load	YES	--
Output current and precisio	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	--	--	--

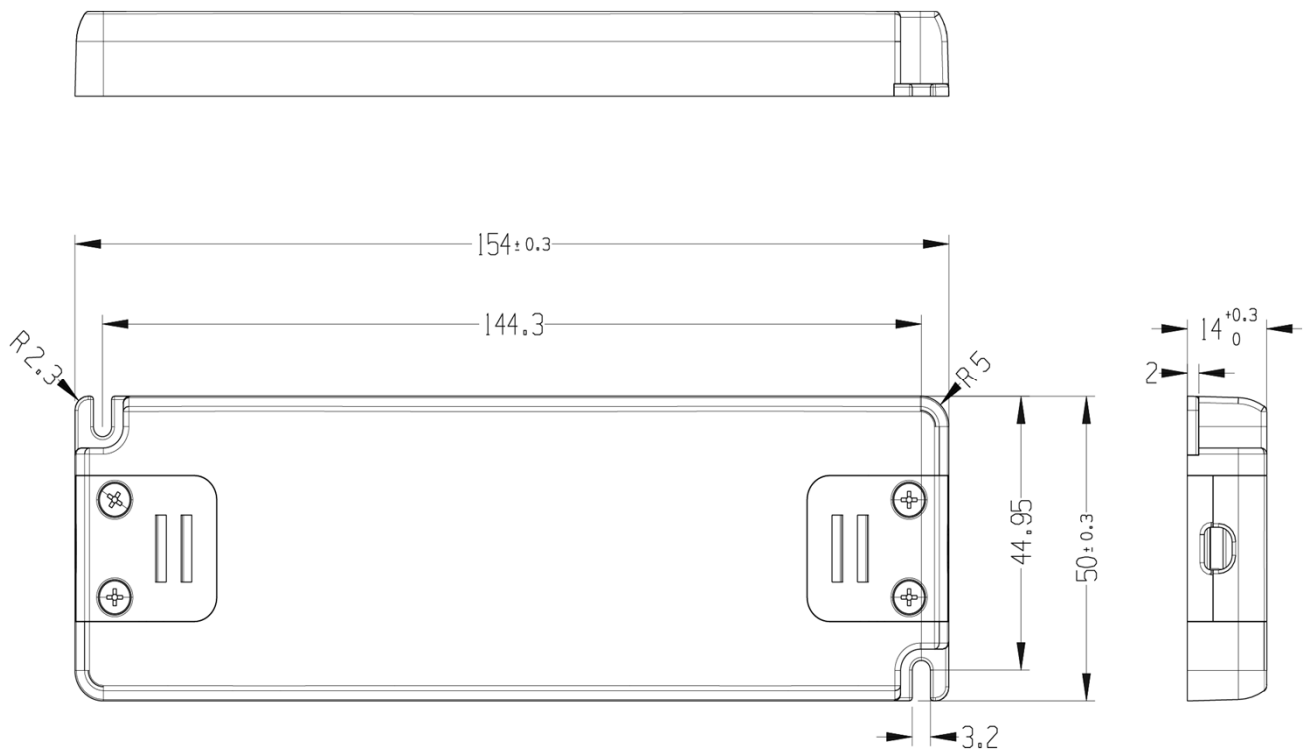
Mechanical, mounting

Items	Conditions
Case material and size	Plastic case
Mounting ways	Independent
Insulation type	Class II
IP grade	IP20
Input cables dimension	H03VVH2-F 2×0.75mm ²
Output cables dimension	H03VVH2-F 2×0.75mm ²
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

