



LED POWER SUPPLY DATASHEET

SNP75-24VL(UE)

DESCRIPTION

Wide input voltage, for Europe and US markets. SELV. Open circuit, short circuit, overload and over temperature protection. Class II, lifetime 30,000hrs.

Input

Items	Conditions	Request	Note
Input voltage	Ta	90-264Vac	--
Input frequency		50Hz/60Hz	--
Input current		< 1A	--
Input power	25°C, rated input voltage, output with max. rated power	<90W	--
Efficiency		≥ 88%	--
Standby	25°C, rated input voltage, output without load	<0.3W	average
Inrush current	25°C, rated input voltage	<75A	peak
PF	25°C, rated input voltage, output max. rated power	≥0.9	--

Output

Items	Conditions	Request	Note
Startup time	25°C, rated input voltage, output with max. rated power	<2S	180Vac 50Hz
Output voltage and precision	Ta, rated input voltage, output with rated power	24V±5%	<25V
Output current range	Ta, rated input voltage	0-3.125A	--
Output voltage wave	25°C, rated input voltage, output with max. rated power	<300mV	Vp-p
Output overload	25°C, rated input voltage, output with twice LED load	Yes	--
Output current and precision	Ta, rated input voltage, output with rated power	--	--
Open circuit voltage	Ta, rated input voltage, no load	--	--
Output current wave	25°C, rated input voltage, output with max. rated power	--	Ip-p
Dimming mode	--	--	--
Dimming range	--	--	--

Temperate and others

Item	Conditions	Request	Note
Operation temp.	--	-20-45°C	--
Relative humidity	--	45%-85%	--
Max. case temp.	--	80°C	<90°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 <30dB, pickup 10cm distance from products	<35dB	--

Mechanical, mounting

Items	Conditions
Case material and size	Plastic 170.4mm*56.5mm*31mm
Mounting ways	Independent
Insulation type	Class II
IP grade	IP20
Input cables dimension	SPT-2 18 AWG, H03VVH2-F 2x0.75mm ²
Output cables dimension	SPT-2 18AWG, H03VVH2-F 2x0.75mm ²
Output cables length	Max. 2m

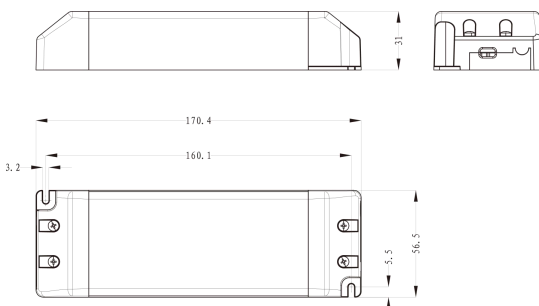
Protection

Items	Conditions	Request	Note
Open circuit	Ta, rated input voltage, no load	--	--
Over load	Ta, 0.94-1.06 times of input voltage, 1.1 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	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 revocation	Yes	--
Latch off	Over voltage, over heat re-start after cut off	Yes	--

Standard

Items	Conditions
Safety	IEC61347-1, IEC61347-2-13 (for lighting IEC60598)
Harmonic	IEC61000-3-2
EMI	IEC55015
EMS	IEC61547

Dimensions(mm)



Wiring Diagram

