



## LED POWER SUPPLY

### SNP15-12VL

#### DESCRIPTION

High Cost Performance. Short circuit, overload protection. Class II. Lifetime 30,000hrs.



Items	Conditions	Request	Note
Rated Input voltage	Ta	180-264Vac	--
Input frequency		50/60Hz	--
Input current	25°C, rated input voltage, output with max. rated power	< 0.25A	--
Input power		< 20W	--
Efficiency		≥ 75%	--
Standby		25°C, rated input voltage, output without load	< 0.5W
Inrush current	25°C, rated input voltage	< 50A	peak
PF	25°C, rated input voltage, output max. rated power	≥ 0.5	--

Items	Conditions	Request	Note
Startup time	25°C, rated input voltage, output with max. rated power	< 2S	--
Rated output voltage and precision	Ta, rated input voltage, output with rated power	12V±5%	> 12.6V
Output current range	Ta, rated input voltage	0-1.25A	--
Output voltage ripple	25°C, rated input voltage, output with max. rated power	--	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	--	--
Rated output voltage range	Ta, rated input voltage	--	--
Output current ripple	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°C~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 123mm*44.6mm*19.2mm
Mounting ways	Independent
Insulation type	Class II
IP grade	IP20
Input cables dimension	H03VVH2-F 2*0.75mm <sup>2</sup>
Output cables dimension	H03VVH2-F 2*0.75mm <sup>2</sup>
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, 1.6 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 temperature re-start after cut off	--	--

#### Standard

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

#### Dimensions(mm)



#### Wiring Diagram



