



LED POWER SUPPLY DATASHEET

SS30-12VF

·DESCRIPTION

Super slim LED drivers, helpful for furniture, mirror and cabinet lighting.
SELV.Open circuit, short circuit,overload and auto recovery.Class II, lifetime 30,000hrs.



·Input

Items	Conditions	Request	Note
Rated Input voltage	Ta	AC220-240V	--
Input frequency		50/60Hz	--
Input current	25℃, rated input voltage, output with max. rated power	<0.17A	--
Input power		<35W	--
Efficiency		≥86%	--
Standby	25℃, rated input voltage, output without load	<0.5W	Average
Inrush current	25℃, rated input voltage	<30A	230V/50Hz
THD	25℃,rated input voltage, output with Max. rated load	<10%	230V/50Hz
PF	25℃, rated input voltage, output max. rated power	≥0.98	--

·Temperate and others

Item	Conditions	Request	Note
Operation temp.	--	-20-45℃	--
Relative humidity	--	10%-90%	--
Max. case temp.	--	85℃	--
Lifetime	Max.Ta,rated input voltage,output with max.rated power	30,000hr	--
MTBF	Max.Ta,rated input voltage,output with max.rated power	200,000hr	--
Working noise	25℃, 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	yes	--
Over load	Ta, 0.94-1.06 times of input voltage, 1.3 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 point more than 115 degree	yes	--
Auto recovery	Over heat, over load, short circuit recovation	yes	--
Latch off	Over heat, over voltage, over load, short circuit re-start after cut off	--	--

·Output

Items	Conditions	Request	Note
Startup time	25℃, rated input voltage, output with max. rated power	<0.5S	230V
Output voltage and precision	Ta, rated input voltage, output with rated power	12V±5%	--
Output current range	Ta, rated input voltage	0-2.5A	--
Output voltage wave	25℃, rated input voltage, output with max. rated power	<3%	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	Output load can be worked with PWM/1-10V dimmer	PWM frequency >1KHZ	--

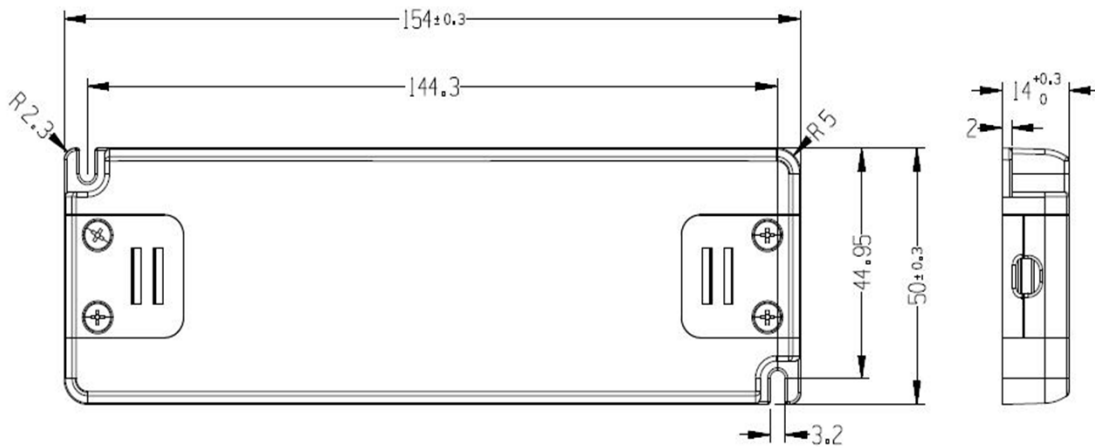
·Mechanical, mounting

Items	Conditions
Case material and size	Plastic case
Mounting ways	Independent
Insulation type	Class II
IP grade	IP20
Input cables dimension	H03VVH2-F 2x0.75mm2
Output cables dimension	H03VVH2-F 2x0.75mm2
Output cables length	2Meters Max.

·Standard

Items	Conditions
Safety	IEC61347-1、IEC61347-2-13
Harmonic	EN61000-3-2 Class C
EMI	IEC55015
EMS	EN61000-4-2、3、4、5、6 EN61547

Dimensions(mm)



Wiring Diagram

