



LED POWER SUPPLY DATASHEET

SS40-24VF

DESCRIPTION

High Cost Performance,SELV. Open circuit, short circuit,overload and over temperature protection.Compliance to ERP directive,lifetime 30,000hrs.



-Input

Items	Conditions	Request	Note
Input voltage	Ta	220-240Vac	--
Input frequency		50/60Hz	--
Input current	25℃,rated input voltage, output with max. rated power	<0.25A	230V/50HZ
Input power		<47W	
Efficiency		87%	
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 max. rated power	<10%	230V/50HZ
PF	25℃,rated input voltage, output max. rated power	≥0.95	230V/50HZ

-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	24V±5%	--
Output current range	Ta ,rated input voltage	0-1.67A	
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	--	--
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

-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	<35dB	--

-Mechanical, mounting

Items	Conditions
Case material and size	Plastic 154mmx50mmx14mm
Mounting ways	Independent
Insulation type	Class II
IP grade	IP20
Input cables dimension	Terminal
Output cables dimension	Terminal
Output cables length	Max. 2M

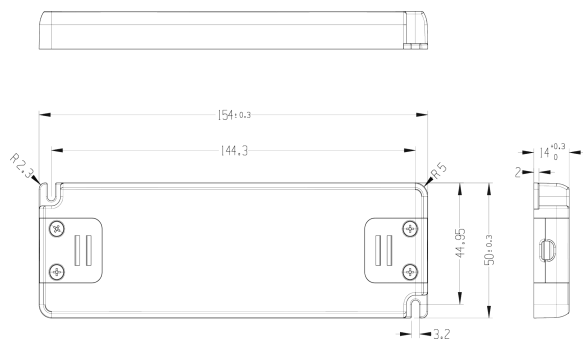
-Protection

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	yes	--
Auto recovery	Over load, short circuit,over temperature	yes	--
Latch off	Over heat 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

