



LED POWER SUPPLY DATASHEET

SP75-12VLT

·DESCRIPTION

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



·Input

Items	Conditions	Request	Note
Rated Input voltage	Ta	AC220-240V	--
Input frequency		50Hz	--
Input current	25℃, rated input voltage, output with max. rated power	<1A	--
Input power		<86W	--
Efficiency		≥ 85 %	--
Standby	25℃, rated input voltage, output without load	---	average
Inrush current	25℃, rated input voltage	<75A	peak
PF	25℃, rated input voltage, output max. rated power	≥ 0.9	--

·Temperate and others

Item	Conditions	Request	Note
Operation temp.	--	-20-45℃	--
Relative humidity	--	45%-85%	--
Max. case temp.	--	85℃	--
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	yes	--

·Protection

Items	Conditions	Request	Note
Open circuit	Ta, rated input voltage, no load	--	--
Over load	Ta, 0.94-1.06 times of input voltage, 1.5 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 re-start after cut off	yes	--

·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%	<13V
Output current range	Ta, rated input voltage	2-6.25A	--
Output voltage wave	25℃, rated input voltage, output with max. rated power	<180mV	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	Trailing edge and leading edge	Triac CV	--
Dimming range	--	10%-100%	@230V

·Mechanical, mounting

Items	Conditions
Case material and size	Plastic case, 170.4*56.5*31mm
Mounting ways	Independent
Insulation type	Class II
IP grade	IP20
Input cables dimension	Terminal block H03VVH2-F 2x0.75mm ²
Output cables dimension	Terminal block H05VVH2-F 2x1.0mm ²
Output cables length	2m max

·Standard

Items	Conditions
Safety	IEC61347-1, IEC61347-2-13
Harmonic	EN61000-3-2
EMI	EN55015
EMS	EN61547

Dimensions(mm)

