

1.2.1.输入:	100-240VAC 50/60Hz
输出:	3-48VDC 功率 3-300W
1.2.2.功能特性:	短路保护、过载保护、防雷击 符合 RoHS&WEEE 环保、CEC 节能指令 符合 EMC、FCC 电磁兼容
1.2.3.环境条件	使用 -20~+45°C、10-90%RH 储存 -40~+75°C、10-90%RH
1.2.4.标准:	UL1012/UL1310/UL60950/FCC PART15 EN60950/EN60335/EN55014/EN55022

<b>Part name/产品名: Switching Power Supply 开关电源</b>	<b>Model No./ 型号:</b>
<b>Design No./设计编号:</b>	<b>Customer Code 客户代码:</b>
<b>Customer Product No. 客户产品编号:</b>	<b>Date/日期 :</b>

**SCOPE/描述:**

This document details the electrical, mechanical and environmental , it is a Switching Power Supply of **0-48V; 0-15A ; 300Watts** output, when **100V~240 VAC** input,

本文明确了产品的电性规格,机械尺寸,环境条件,该产品输入电压范围 **100V~240 VAC**,输出电压为:**0-48V; 0-15A ; 200** 瓦的开关电源

**1.Electrical Characteristics/电器特性:**


Items/项目	Specification/规格	Remarks/备注
<b>Input/输入:</b>		
Input rated voltage /输入额定电压	<b>100-240</b> VAC	
Input rated frequency/输入额定频率	<b>50/60</b> Hz	
Input range current /输入额定电流	<b>1.5A</b> MAX (最大)	At 100VAC/60Hz,在 100VAC/60Hz 情况下
Efficiency/效率	<b>80</b> % MIN (最小)	At full load and within input rated voltage 在满载和额定输入情况下
Input protection/输入保护:	Rated Fuse <b>3.15A/250</b> VAC 保险丝额定值 <b>3.15A/250</b> VAC	Approval by 有认证

**Output/输出:**

Output voltage / 输出电压	<b>0-48V ± 5% VDC</b>	No load/空载
	<b>0-48V ± 5% VDC</b>	Full load/满载
Output current/输出电流	<b>0-15A</b>	Maximum loading current 最大负载电流

**Output protection/输出保护:**

Over current 过载保护	No odor, smoke, fire, plastic deformation, and excessive heat happen. 无气味, 冒烟, 冒火, 塑胶变形, 过热.	The products are out of working when over current. 过载时, 产品不工作。
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Short-circuit 短路	No odor, smoke, fire, plastic deformation, and excessive heat happen. 无气味, 冒烟, 冒火, 塑胶变形, 过热.	Short-circuit output for 1 minute. 输出短路 1 分钟.
<b>Safety Standard/安规标准</b>		
<input checked="" type="checkbox"/> UL/CUL <input checked="" type="checkbox"/> CSA <input checked="" type="checkbox"/> PSE <input checked="" type="checkbox"/> GS <input checked="" type="checkbox"/> CE   GS mark is accredited by TUV <input type="checkbox"/> CB <input type="checkbox"/> BS <input checked="" type="checkbox"/> SAA <input type="checkbox"/> CCC <input checked="" type="checkbox"/> K-Mark <input type="checkbox"/> PSB		
<b>EMC Standard/电磁兼容:</b>		
<input type="checkbox"/> FCC <input type="checkbox"/> C-Tick <input type="checkbox"/> VCCI <input type="checkbox"/> BSMI <input type="checkbox"/> CE/ EMC		
<b>Others/其他:</b>		
Hi-pot Test (Primary to Secondary) 高压测试(初级对次级)	<b>1500VAC/10mA/1 minute</b>	The voltage applied to the insulation under test is gradually raised from zero to the prescribed voltage and held at that value for <b>60 S</b> . 测试电压是逐渐从 0 上调至规定的电压值并保持 <b>60</b> 秒.
<b>RELIABILITY/可靠度:</b>		
Burn-In/烧机: 100% burn-in test at 80-100% of full rated load at 35-40°C burn-in room, input voltage <b>220 VAC</b> , <b>48 hrs</b> test for samples, <b>24 hrs</b> test for pilot run samples <b>4 hrs</b> test for mass production. 100%烧机测试在负载为 80-100%状况, 烧机房温度为 35-40°C, 输入电压为 <b>220 VAC</b> ; 工程样品测试时间为 <b>48</b> 小时, 导航样品为 <b>24</b> 小时, 批量产品为 <b>4</b> 小时。		
Temperature rise/ 温升: In environmental temperature at <b>25</b> degrees. The maximum temperature rise measured at any point on the enclosure surface shall not exceed <b>50</b> degrees in closed carton chamber and no air flow. 在环境温度为 <b>25</b> 度下, 外壳表面任意一点它的最高温升不超过 <b>50</b> 度, 实验品是置于封闭的空气不流通的容器中进行。		
<b>2.Mechanical Characteristics/机械特性:</b>		
<b>Items/项目</b>	<b>Specification/规格</b>	<b>Remarks/备注</b>
Dimension/尺寸	<b>116*63*38mm only FYI</b>	<b>Length*Width*Height/长*宽*高</b>
Case Material/外壳材料	<b>PC,PC+ABS, or equivalent</b>	<b>Desk top/桌上型</b>
Input Plug/输入插头	<b>18AWG SPT-2 105°C 2PIN UL POLARITY BLADE / 1200 ± 100mm</b>	
Output Cord/输出线	<b>18AWG SPT-1 105°C / 1500±100mm</b>	<b>DC 头</b>
Connector polarity/连接器极性		<b>5.5*2.1*11 mm only FYI</b>
Color/颜色	<b>Black</b>	Fine texture/颜色均匀无色差。
Drop test/跌落试验	<b>One time Per side, at one meter. 1 米一次, 每个面。</b> After test, unit is not broken, disassembled, or damaged to access hazardous parts. 测试后, 产品不可以损坏, 裂开或者可以触到危险部件。	
<b>3.Environmental Characteristics/环境特性:</b>		
Storage temperature/存储温度	<b>-20 to +60</b> degrees centigrade(摄氏度)	
Operating temperature/操作温度	<b>0 to +40</b> degrees centigrade. (摄氏度)	
Storage RH range/相对存储湿度	<b>5 to 95%</b>	RH: Relative humidity/相对湿度
Operating RH range/相对操作湿度	<b>20 to 85%</b>	
<b>Approved by:</b> 核准	<b>Checked by:</b> 审核	<b>Prepared by:</b> 制作