

# 产品规格书

## PRODUCTSPECIFICATION

客户名称 Customer: \_\_\_\_\_

产品名称 Product: \_\_\_\_\_ 电源变压器

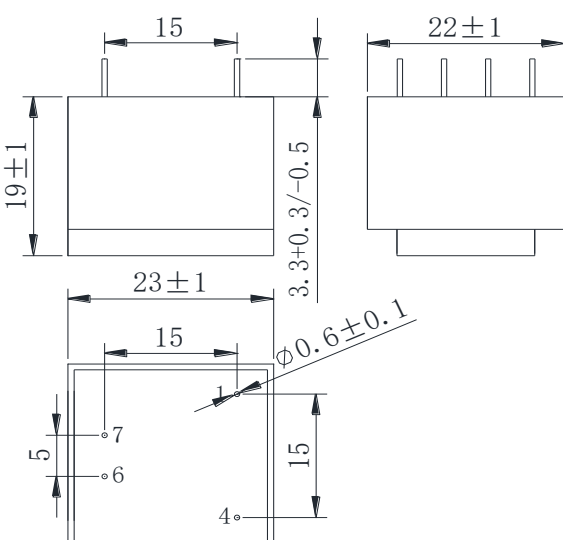
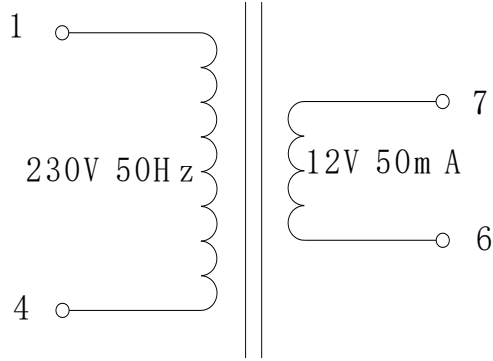
型 号 Model: \_\_\_\_\_ SX-4816XP201-117

客户料号 Customer part No: \_\_\_\_\_

日 期 Date: \_\_\_\_\_ 2025-3-29

三芯			SX-4816XP201-117	A0
修订记录 Revision record	发行日期 Issue Date	版本 Edition	变更内容	
	2025. 3. 18	A <sub>0</sub>	首次发行 Initial issue	

客户名称 Customer			生产单位 Supplier	
产品名称 Product	电源变压器 Power transformer	规格型号 Specification and Model	<u>SX-4816XP201-117</u>	

1、外形尺寸图 Dimension drawing: 未注公差 No tolerance noted±0.5mm（单位 Unit: mm）		2、电气原理图 Electrical schematic diagram		
				
3、主要技术指标 Main technical specifications				
名 称 Name	测量端 Test terminal	测试条件 Test condition	测量值 Measured value	备注 Remark
空载电流 No-load current	1-4	230VAC /50Hz	20.0mA Max	N/A
空载电压 No-load voltage	6-7		18.0±5%V	N/A
负载电压 Load voltage	6-7	230VAC /50Hz	12.0±10%V@50mA	N/A
交流耐压 AC Hi-pot	P-S	4000V 5mA/10S	不击穿、不跳火 No breakdown, No flash over	N/A
INSULATION CLASS 绝缘等级	B 级 Class B			
产品外观 Product appearance	外观整洁、无污迹，表面无损伤，字迹清晰，引脚整齐、光滑。 neat appearance, no stain, no damage on the surface, clear handwriting, neat and smooth pins.			
4、检验 Test				

4.1 空载电流、空载电压、负载电压、交流耐压、针脚安装尺寸、外观为生产线 100%全检出厂

The no-load current, no-load voltage, load voltage, AC withstand voltage, pin installation size and appearance are 100% inspected by the production line before leaving the factory.

4.2 依据 GB2828.1-2012 计数抽样检验程序--逐批检验抽样计划，一般检查水平 II，按照《成品检验标准》，由品管部对 9.1 条所列项目，及感应电压、绝缘电阻、温升、端子强度、外形尺寸等做抽样检测。

According to GB2828.1-2012 sampling procedure for inspection by attributes - sampling plan for batch by batch inspection, general inspection level II, standard for inspection of finished products, the quality control department shall conduct sampling inspection on the items listed in Article 9.1, and inductive voltage, insulation resistance, temperature rise, terminal strength, overall dimensions, etc.

4.3 其他项目按照《产品可靠性试验标准》等做周期性试验（每月一次），由第三方机构每年进行一次 RoHS 检测

Other projects shall be tested periodically (once a month) according to the product reliability test standard, and RoHS inspection shall be conducted by the third party once a year.

5、产品质量控制要求 Product quality control requirements

5.1. 电气性能应符合技术要求

The electrical performance shall meet the technical requirements

5.2 外观，外形尺寸：变压器不应有锈蚀、裂痕或其它机械损伤；标志应清晰、牢固；线圈与铁芯的装配应牢固、无松动。外形尺寸、安装尺寸及各引出端位置应符合图纸要求

Appearance and dimension: the transformer shall be free from rust, crack or other mechanical damage; the mark shall be clear and firm; the assembly of coil and iron core shall be firm without looseness. The overall dimension, installation dimension and position of each lead out end shall meet the requirements of the drawing.

5.3 端子强度：任一引出端应能承受 20N 拉力保持 10S，端子无脱落，断裂现象

Terminal strength: any lead out terminal shall be able to withstand 20N tensile force for 10s, and the terminal shall not fall off or break

5.4 可焊性 Solderability

在温度  $260^{\circ}\text{C} \pm 5^{\circ}\text{C}$ ，时间  $2\text{S} \pm 0.5\text{S}$  下，焊脚浸入深度  $2.0\text{mm} \sim 2.5\text{mm}$ ，试验后焊接端子应挂有良好的焊锡镀层。When the temperature is  $260^{\circ}\text{C} \pm 5^{\circ}\text{C}$  and the time is  $2\text{S} \pm 0.5\text{s}$ , the immersion depth of the welding leg is  $2.0\text{mm} \sim 2.5\text{mm}$ . After the test, the welding terminal should be hung with good solder coating.

6、运输及存储要求 Transportation and storage requirements

6.1. 包装 Packing 变压器包装应避免在运输中受潮与损伤

The packaging of transformer should avoid dampness and damage during transportation

6.2. 运输 Transportation 变压器在运输过程中应小心轻放，避免碰撞和敲击，严禁与酸碱等腐蚀物质放一起。The transformer should be handled with care during transportation to avoid collision and knocking. It is strictly forbidden to put it together with acid, alkali and other corrosive substances.

6.3. 贮存 Storage 变压器应贮存在清洁、通风良好的库房内，且空气中无腐蚀性气体。

The transformer shall be stored in a clean and well ventilated warehouse without corrosive gas in the air.

7、Marking(标签图):

采用激光打码, 打码位于变压器顶部, 具体内容如下图所示

Laser coding is used, and the coding is located at the top of the transformer, as shown in the figure Below

1-4 针侧

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1-4: 230V 50/60Hz

6-7: 12V 50mA

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YYYYMMDD

8、材料清单 Material List			
1	骨架 Bobbin	EI2012/PBT 白色)	长春塑胶或相当
2	漆 包 线 Enameled wire	2UEW155℃	珠海一致, 浙江洪波或相当
3	矽钢片 Silicon steel sheet	EF20	济南锦奥、江阴恒通或相当
4	锡条 Tin bar	环保 SC07	天津松本或相当
5	外壳 Shell	EI2012/PBT(黑色)	长春塑胶或相当
6	胶 水 Potting glue	黑色	广州百舜

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批 准			