

产品规格书Product Details specification

Product Name	File No.	Version	Date	Page
XB-SW-3080 vertical switches	XB-3D-569	A2	2022.05.09	1/4

■ 功能Function:

- 1、震动检测
vibration detecting

■ 应用产品Applications

- 1、防盗装置 Alarm device
- 2、儿童玩具 Toys
- 3、电子秤 Electronic scale



■ 产品特性Features

- 1、此产品为弹簧型、无方向性振动感应触发开关，任何角度均可触发。

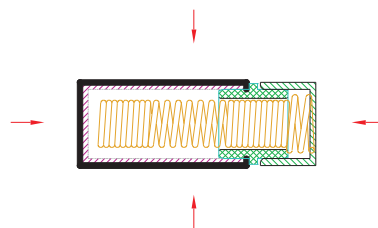
This product is spring type, no directional vibration sensor trigger switch, any angle can trigger

- 2、本系列开关在静止时为开路OFF状态，当受到外力碰触而达到相应振动力时，或移动速度达到适当离(偏)心力时，导电接脚会产生瞬间导通呈瞬间ON状态;当外力消失时，开关恢复为开路OFF状态。

Switch is open circuit OFF-state, when it is static, when external force to touch and corresponding vibration, or movement speed achieve adequate (partial) centrifugal force, conductive pick feet will produce instant conductivity is instant ON-state, when external force disappear, switch back to open circuit OFF-state.

- 3、本系列开关外为金属，耐温相对较高。

Switch external for metal, high heat resistance.



By external force touch or shaking
will be conduct instantaneously.



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■ 电气特性 Electrical characteristics:

1	电压	Voltage	1-6V
2	电流	Current	2uA-10mA
3	导通时间	Conductive time	About 2ms
4	导通方式	Conduction mode	Discontinuous conduction mode 非连续导通
5	开路电阻	Open resistance	>10MΩ

■ 机械特性 Mechanical characteristics

1	操作耐温	Operating temperature	-25℃ to 85℃
2	储存温度	Storage Temperature	-10℃ to 40℃
3	端子拉力	Pull force of terminal	300gf for 1 minute
4	盐雾测试	Salt mist test	95% RH, 40℃ for 24 hours
5	机械寿命	Operating life	200,000 times

■ 材料列表Bill of material :

1	铜帽	Copper cap	Brass, gold-plated
2	绝缘环	Insulation	Brass, covered by foil
3	弹簧	Spring	Stainless steel/Phosphorus copper wire

■ Welding characteristics焊接特性

1.Manual Welding humidity time: $330 \pm 10^{\circ}\text{C}$, <3 s

手工焊温度时间: $330 \pm 10^{\circ}\text{C}$, <3秒。

2. Reflow soldering humidity time:P4.

回流焊温度时间: 见第4页。

3. Solder tin: lead free.

焊锡: 无铅.

4.Do not use strong acid or alkali flux

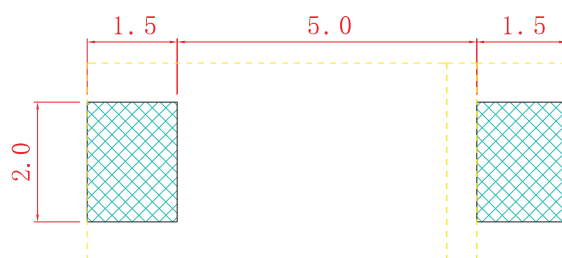
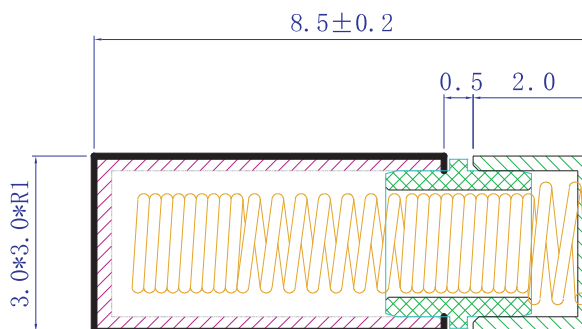
不可使用强酸或碱性助焊剂。

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尺寸 SIZE

Unit: mm,
Tolerance ± 0.25



PCB Weld zone

Note 注意事项

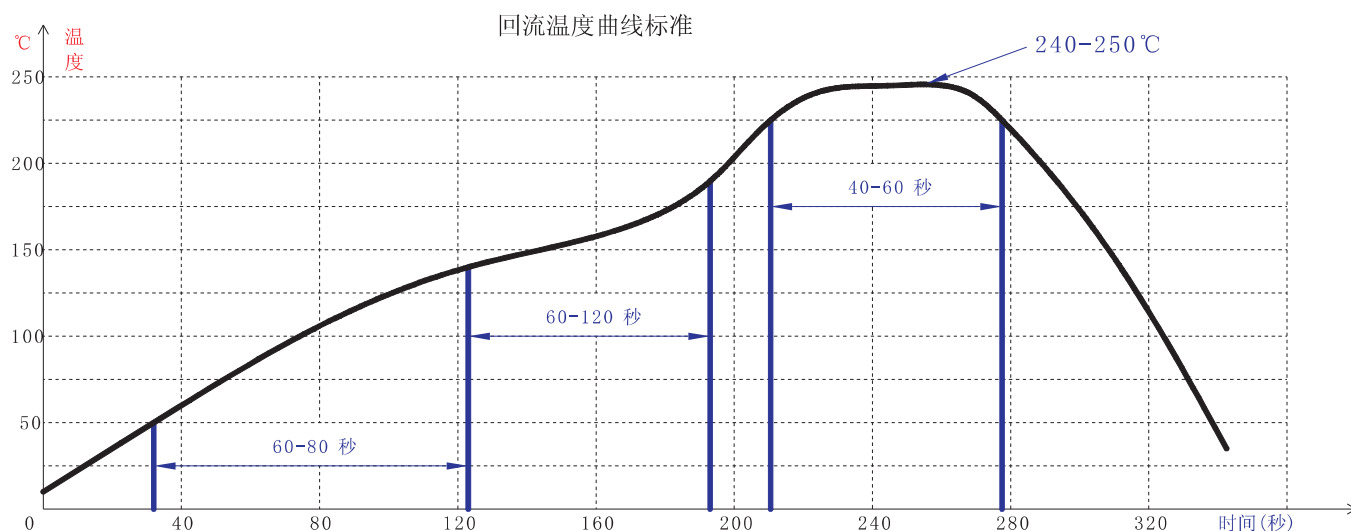
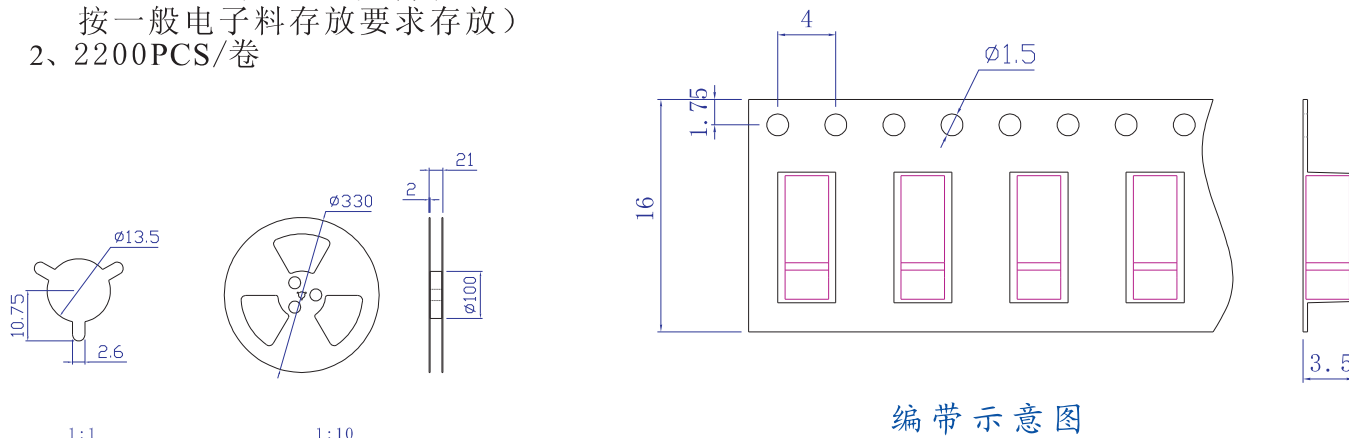
- 1.If the product used for high security products and durability of extremely high equipment (such as life safety equipment, aviation facilities, disaster prevention device), please confirm whether a share, can seek advice our company for details.
如果该产品要用于高安全性产品及耐久性极高的设备中（如生命安全设备、航空设施、防灾装置），请确认是否合用，或咨询我司了解详情。
- 2.In case of fire, Please do not overload applicable.
请勿超负荷使用，以防发生火灾。
- 3.The welding temperature or time more than standard, can cause switch collapse.
焊接温度或时间超过规范时，会造成开关解体。
- 4.Do not use water solubility flux. May cause damage to the switch.
勿使用水溶性助焊剂、可能会造成开关损坏。
- 5.Do not use solvent wash switch.
勿使用溶剂清洗开关。
- 6.This switch conduction rate of 98% (conductivity rate per 100 times value switchactions, can good conduction ratio).
本开关导通率为98%以上（导通率是指开关每100次动作中，可以良好导通的比率）。
7. XiBang company is only responsible for the defective problems of the product itself, return and exchange the defective products, and does not bear other joint and several expenses.
溪榜公司只承担本产品本身不良问题,对不良品进行退换货,不承担其它连带费用责任。

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■ 包装Packaging:

- 1、1000PCS/袋 (PVC塑料袋，按一般电子料存放要求存放)
- 2、2200PCS/卷



管制要点

项目	温度范围(°C)	维持时间(秒)	温度斜率 (°C/秒)
预热区	50-140	60-80	< 3
恒温区	140-190	60-120	< 1
回流区	217以上	40-60	< 2
峰值温度	240-250°C		
冷却区	降温斜率 < 3°C/秒		
链速	70-85 cm/min		

地址:广东省东莞市黄江合路工业区

Add: Huangjianghe Road Industrial Zone, Dongguan City, Guangdong Province

TEL: 0769-82055138

82056828

Fax: 0769-83663452

<http://www.alpsr.cn>

www.alpsr.cn

E-mail: XB@ALPSR.CN