



标准&定制开关连接器产品制造商
DONG GUAN XI BANG ELECTRONICS CO., LTD.

规格书

SPECIFICATION

CUSTOMER NAME 客户名称: _____
 CUSTOMER NO. 客户编号: _____
 SERIES 系列: 振动传感开关
 MODEL NO. 型号: XB-SW-3211-A1
 DRAWING NO. 图形号: Vibration sensing Switch

If specification of this product meets your request, please confirm all the items of it and return to us with signature and stamp, it will be basis of our production and record. Thanks your cooperation in advance!

若此产品规格符合贵司要求，敬请确认此规格书内所有项目
 并签名和盖章后回传给我司，以作我司产品制作之
 依据和存档之用，多谢合作！

EXAMINE & APPROVAL 审批

| APPROVE 接受 | NOT APPROVE 不接受 |
|---|-----------------|
| SIGNATURE 签署 STAMP 盖章 DATE 日期 | |

| PREPARED BY. 制表人 | CHECKED BY. 校对 | APPROVED BY. 审核 | APPROVAL BY. 批准 |
|--|--|---|---|
| <div style="border: 1px solid red; padding: 2px;">研发部</div> <div style="border: 1px solid red; padding: 2px;">戴海明</div> <div style="border: 1px solid red; padding: 2px;">2022. 06. 08</div> | <div style="border: 1px solid red; padding: 2px;">品质部</div> <div style="border: 1px solid red; padding: 2px;">黄自清</div> <div style="border: 1px solid red; padding: 2px;">2022. 06. 08</div> | <div style="border: 1px solid red; padding: 2px;">工程部</div> <div style="border: 1px solid red; padding: 2px;">庞军</div> <div style="border: 1px solid red; padding: 2px;">2022. 06. 08</div> | <div style="border: 1px solid red; padding: 2px;">总经办</div> <div style="border: 1px solid red; padding: 2px;">吴量</div> <div style="border: 1px solid red; padding: 2px;">2022. 06. 08</div> |

东莞市溪榜电子有限公司

Dong guan Xi Bang Electronics Co., Ltd
 地址: 广东省东莞市黄江镇合路工业区
 Address: He Lu Industrial Zone, Huangjiang Town
 , Dongguan City, Guangdong Province
 Tel: (0769)82055138/82056828
 Fax: (0769)83663452

邮箱: admin@alspr.com switch@alspr.com
<http://www.alspr.cn/> <http://www.alspr.com/>

Dong Guan XB Electronics Co., Ltd

AccountNumber: 705540238
 BankName: Citibank N. A., HongKongBranch
 Country/Region: Hong Kong
 BankCode: 006
 BankAddress: 3GardenRoad, Central, Hong Kong
 SWIFT/BIC: CITIHKHX (CITIHKHXXXX*If11charactersare
 required)

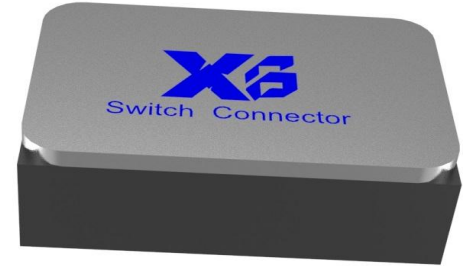
MAil: HK@ALPSR.CN XB@ALPSR.CN XB@ALPSR.COM
 Quality core! Afterburner for Made in China!

产品规格书 Product Details specification

| Product Name | File No. | Version | Date | Page |
|------------------------|------------|---------|----------|------|
| XB-SW-3211-A1 振动开关(迟钝) | XB-3D-3211 | A1 | 2023.5.8 | 1/4 |

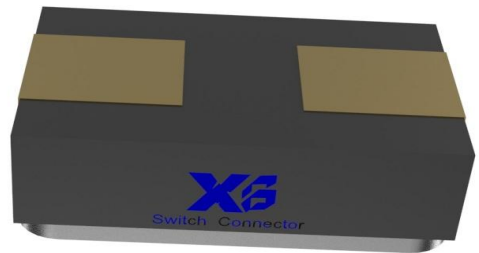
■ 功能Function:

- 1、震动检测
vibration detecting



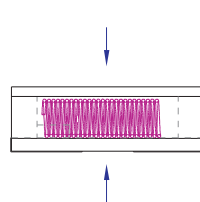
■ 应用产品Applications

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

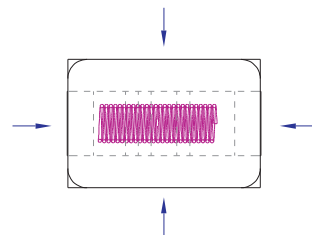


■ 产品特性Features

- 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.



1. 上下运动易触发



2. 前后左右运动迟钝



产品规格书 Product Details specification

| Product Name | File No. | Version | Date | Page |
|------------------------|------------|---------|----------|------|
| XB-SW-3211-A1 振动开关(迟钝) | XB-3D-3211 | A1 | 2023.5.8 | 2/4 |

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

■ 材料列表 Bill of material :

| | | | |
|---|----|--------------|--|
| 1 | 端子 | Terminal | Brass, nickel-plated |
| 2 | 胶座 | Plastic base | Temperature resistance nylon |
| 3 | 弹簧 | Spring | Stainless steel/Phosphorus copper wire |
| 4 | 盖板 | Cover plate | Brass/Stainless steel, nickel-plated |

■ 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 ± 10 度, <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

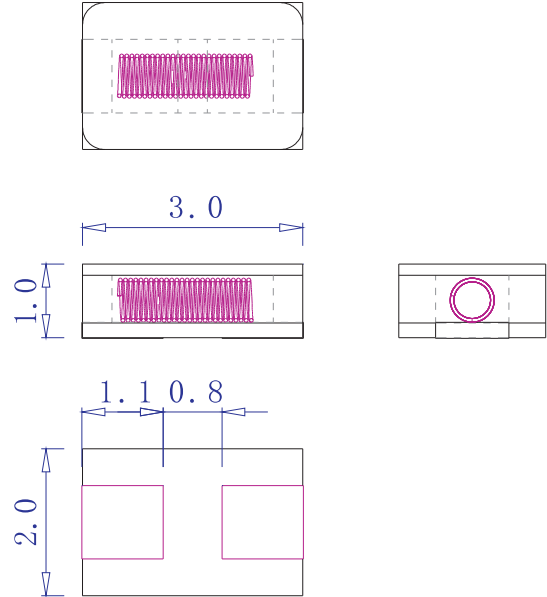
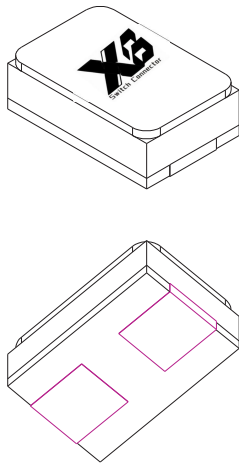
不可使用强酸或碱性助焊剂。

产品规格书 Product Details specification

| Product Name | File No. | Version | Date | Page |
|------------------------|------------|---------|----------|------|
| XB-SW-3211-A1 振动开关(迟钝) | XB-3D-3211 | A1 | 2023.5.8 | 3/4 |

尺寸 SIZE

Unit: mm,
Tolerance ± 0.25



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. Xi Bang 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.

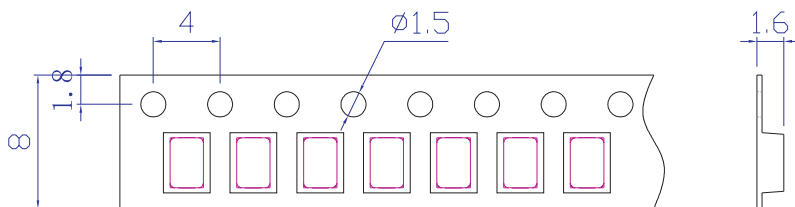
溪榜公司只承担本产品本身不良问题,对不良品进行退换货,不承担其它连带费用责任。

产品规格书 Product Details specification

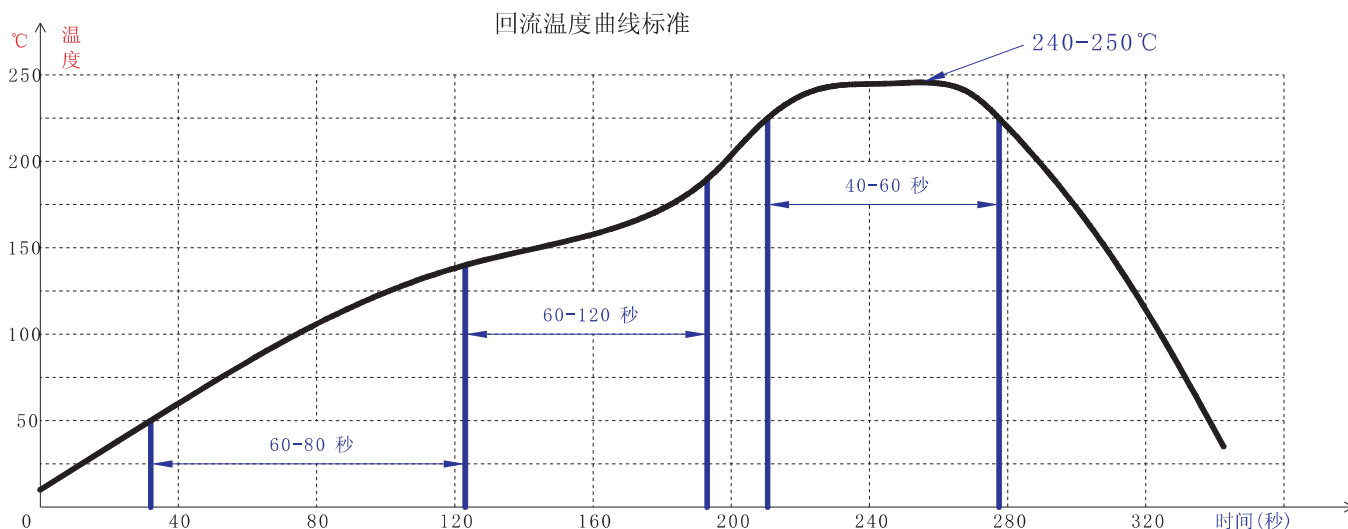
| Product Name | File No. | Version | Date | Page |
|------------------------|------------|---------|----------|------|
| XB-SW-3211-A1 振动开关(迟钝) | XB-3D-3211 | A1 | 2023.5.8 | 4/4 |

■ 包装 Packaging:

1、15000PCS/卷



编带示意图



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 | | |