



规格书

SPECIFICATION

CUSTOMER NAME	客户名称:	
CUSTOMER NO.	客户编号:	
SERIES	系 列:	倾斜震动开关
MODEL NO.	型 号:	XB-SW-420
DRAWING NO.	图 形 号:	Tilt 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
研发部 戴海明 2022. 06. 08	品质部 黄自清 2022. 06. 08	工程部 庞军 2022. 06. 08	总经办 吴量 2022. 06. 08

东莞市溪榜电子有限公司

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Dong Guan XB ElectronicsCo., Ltd

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BankCode:006

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Quality core! Afterburner for Made in China!

Product Details specification 产品规格书

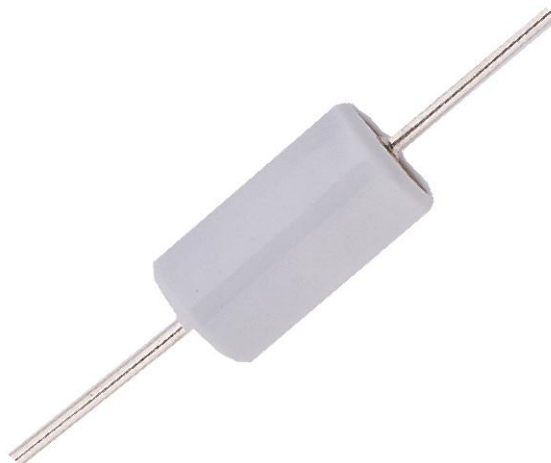
Title 产品名称	File No.	Version	Date	Page
VibrationsensorXB-SW-420 XB-SW-420振动传感元件	XB-SW-3D-034	2023-A2	2023.1.27	2/4

Function 功能:

1. Motion detecting
运动检测
2. Wake up function
唤醒功能

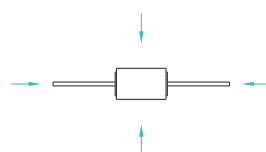
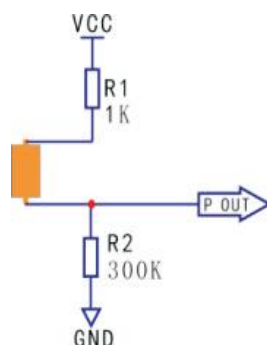
Applications 应用产品:

1. Remote controller
遥控器
2. Automation equipment
自动化装置
3. GPS communication product
GPS通讯产品
4. Home appliances
家用电器
5. Automobile security equipment
汽车防盗设备

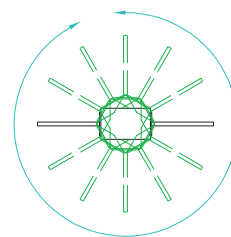


Features 产品特性:

1. XB-SW-420 is roll Axis type omni signal trigger element.
XB-SW-420为滚轴型全方位信号触发元件。
2. This product is a mechanical vibration sensor, the product at any azimuth angle trigger is in the ON or OFF state, When the product be shaken, the internal parts jitter, resulting in ON / OFF alternating pulse signal, thus trigger the circuit.
因本产品为机械式的震动传感元件，产品在任何方位角度时处于ON或者OFF的状态，当产品震动时，内部件抖动，产生ON/OFF交替的脉冲信号，从而触发电路。
3. Fine plating, long service life.
开关电镀优良，寿命长。



全方位振动感应



360度倾斜感应



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■ Electrical characteristics 电器特性

1	Voltage	电压	<6V
2	Current	电流	2uA-10mA
3	Insulation resistance	绝缘电阻	>10MΩ
4	Trigger rate	触发率	100% (振幅 > 1mm, 频率: > 20Hz)
5	Trigger frequency	触发频率	>50Hz

Note: the trigger frequency refers to the number of pulse signals generated by the product during the continuous vibration (amplitude > 1mm, frequency: 20-100hz) for 1 second. (oscilloscope reading display)

注：触发频率是指在1秒时间的持续震动（振幅>1mm，频率：20-100Hz）时，产品产生的脉冲信号数量。（示波器读取显示）

■ Mechanical characteristics 机械特性

1	Temperature range	耐温范围	Operating: -40℃ to 85℃
2	Pull force of terminal	端子拉力	200gf for 1 minute
3	Salt mist test	盐雾测试	95% RH, 40℃ for 24 hours
4	Service life	使用寿命	50,000 hours (A=1mm, 20Hz)

■ Bill of material 材料列表：

1	Pipe body	管体	Brass, glue	1PCS
2	Copper cap	铜帽	Brass, silver-plated	2PCS
3	Guide Pin	导针	Brass, silver-plated	2PCS
4	Conduitive pole	导电柱	Brass, silver/gold-plated	1PCS
5	Cover	热收缩管	PET heat shrinkable tubing	1PCS

■ Welding characteristics 焊接特性

1. Manual Welding humidity time: 320±10℃, 2-3 s

手工焊温度时间：320±10度，2-3秒。

2. Solder tin, tin content 100%

焊锡：含锡量100%。

3. Do not use strong acid alkali flux

不可使用强酸、碱性助焊剂。

■ Packaging 包装：

500PCS/bag (PVC plastic)

500PCS/袋(PVC 塑料袋)

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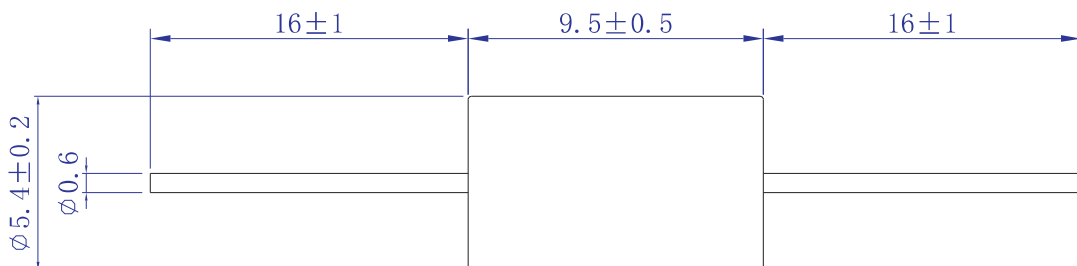
E-mail: XB@ALPSR.CN

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SIZE尺寸

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.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。