GATERON GATERON Electronic Technology Co.,Ltd		产品规格书 Product Specification	
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客户名称 Customer:	
客户部件号 Customer Part No.:	
佳达隆产品名称 *GATERON* Product Name:	卫星轴组件精品包装
佳达隆产品型号 *GATERON* Item No.:	KS-WXZ-Z10F01-D08-97

规格书确认 Specification For Approval

确认者 Approval by

签名或盖章 Signature: _____　　日期 Date: _____

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规格书项 Item of Spec.		规格书项 Item of Spec.	
更改前 Before Change		更改前 Before Change	

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产品型号 Item.	KS-WXZ-Z10F01-D08-97	说明 Description	KS-53 Holder Module	版本 Version	1
页 码 Page	第 2页 2 of 4		日期 Date	2025-04-09	

1. 一般特性 General Characteristics:

1.1 适用范围 Application	该规格书指卫星轴组件的一般使用范围 This specification is applied to the Plate-mount Stab for general applications.
1.2 使用温度范围 Operating Temperature Range	-25℃ 到 +80℃ -25℃ to +80℃
1.3 使用相对湿度范围 Operating Relative Humidity Range	≦85% RH, +40℃
1.4 实验条件 Test Conditions	若没有特别说明，则试验大气条件如下： Unless otherwise specified, the atmospheric conditions for making measurements and tests are as follows: 环境温度 Ambient Temperature: 5-35℃ 大气压力 Air Pressure: 86-106 Kpa 相对湿度 Relative Humidity: 45-85% RH

2. 外观，结构及尺寸 Appearance, Structure and Dimensions:

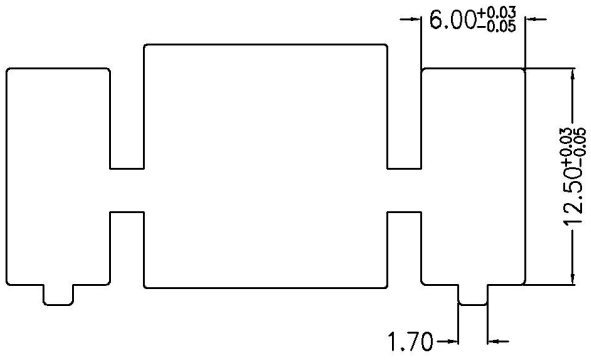
2.1 外观 Appearance	产品外观良好，无锈蚀、裂纹和层缺陷。 The switch shall have good finishing, and no rust, crack or plating defects.
2.2 结构及尺寸 Structure and Dimensions	参见产品图纸 Refer to individual product drawing

3. 耐候性能 Weather Proof Characteristics:

	项目 Item	标准 Criteria	实验方法 Test Method
3.1	低温 Cold Proof	实验后 After test: 应符合第 2.1～2.2 项要求。 characteristics of items2.1 ～ 2.2 shall be satisfied.	试件在 -25±2℃ 的温控箱内保持 96 小时，然后在正常温度和湿度下恢复 1 小时，并在此后 1 小时内对试品进行测量，水滴应消失。 After testing at -25±2℃ for 96 hours, the switch can stay under normal temperature and humidity conditions for 1 hours, and measurement shall be made within 1 hour after that. Water drops shall be eliminated.
3.2	高温 Hot Proof		试件在 80±2℃ 的温控箱内保持 96 小时，然后在正常温度和湿度下恢复 1 小时，并在此后 1 小时内对试品进行测量。 After testing at 80±2℃ for 96 hours, the switch can stay under normal temperature and humidity conditions for 1 hours and measurement shall be made within 1 hour after that.
3.3	恒定湿热 Moisture Resistance		试件在 40±2℃，90-95%RH 的温控箱内保持 96 小时，然后在正常温度和湿度下恢复 1 小时，并在此后 1 小时内对试件进行测量，水滴应消失。 After testing at 40±2℃, 90-95% RH for 96 hours, the switch can stay under normal temperature and humidity conditions for 1 hours, and measurement shall be made within 1 hour after that. Water drops shall be eliminated.

4.安装选项 Mounting Opitions：

安装 PCB 板建议选用图示尺寸:
The suggestion dimension of PCBA:



5. 材料清单 BOM:

序号 No.	零部件名称 Parts Name	数量 Quantity	材料，规格 Material and Specifications	防火等级 Prevent fire grade	备注 Remarks
1	成品组件 KS-57B623T	1	KS-57 Holder Module		黑色 Black
2	成品组件 KS-57B210T	4	KS-57 Holder Module		黑色 Black
3	彩盒 Carton	1	Paper		
4	2X平衡杆 Equaling lever	1	Stainless steel		

注意事项 Precautions for use:

1. 一般事项 General:

本产品主要用于自动化装置，视像装置，家用电器，信息装置及通讯装置等常用电子设备中；如果该产品要用于其它具有更高安全性及可靠性的耐久性设备中（如生命维持装置，宇宙航空装置，防灾及安全性装置）时，请确认是否合用，或者同我方了解详细情况。

The product is used mainly in electronic devices such as automotive devices, visual devices, home electrical appliances, information devices and communication settings. If the products is intended to be used for other endurance equipments requiring higher safety and reliability such as life support system, space and aviation devices, disaster and safety system, it’s necessary to make verification of conformity or contact us for the details before using.

2. 安装构造，机械设计 Assembly structure and Mechanical design:

（1） 线路板上安装孔及安装图示的尺寸都须参照工程图中所建议的尺寸。

The dimensions for the holes and the pattern on PCB should refer to the recommended dimensions on the engineering drawing.

（2） 如果施超出规定值的较大重力于开关上，会导致开关破损，所以应特别小心防止开关承受超出规定值的较大重力。

The switch might be broken if there is stress stronger than the specified is given on it. Take special care not to stress the switch beyond its specification.

（3） 把本公司的产品和其它产品配合使用时,请客户确认必须适合的规格、法规或规定。另请客户自身确认本公司产品装到客户使用的系统、机械、装置上的适用性.如果想变更开关使用条件，请预先与本公司进行协商。

If the switch is being used together other products, please confirm the compatibility of the specification, laws and regulations. Please also confirm the compatibility of switch to be installed in the systems, machines and devices used by customer. If you want to change the operating conditions of the switch, please consult with us in advance.

3. 使用环境 Operating Environment

（1） 如果该产品常用于产生硫化气体的硫性热源周围或有汽车废气存在的地方，应特别留意，因为开关性能可能会受到影响；

If the product is always used near sulfurate hot spring where sulfide gas is generated or in a place where exhaust gas from automobiles exists, it’s necessary to pay more attention because the switch performance may be affected.

（2）如果在安装开关的模组内有以下所描述的部件材料，需遵循以下要求:
If the below parts or materials are used in the module where the switch is installed, directions below should be followed:
A. 部品、橡胶材料、粘合剂、包装材料及用于装置内机械部件上的润滑油剂等，不要使用那些可能会产生硫化气体或氧化气体的材料。
For parts, rubber materials, adhesive agents, packing material and grease used for the mechanical part of the device, don’t use any material that may generate gas of sulfurization or oxidization.
B. 当有用到磷橡胶、润滑油、粘合剂及油脂时，应使用不会产生低分子磷氧烷气体的材料，因为低分子磷氧烷气体会在开关接触部位形成二氧化磷层从而引起接触不良，如有用到（如涂料剂等化学溶剂），请预先告知我方。
If silicon rubber, grease, adhesive agents and oil are used, choose the material that will not generate low molecular siloxane gas, because the low molecular siloxane gas may form silicon dioxide coat on the switch contact part, resulting of failing contact.
（3）不要将开关用于高湿或有沾湿可能性的环境中，因这样的环境可能会引起端子间电流泄漏。
Don’t use the switch in the environment with high humidity or other bedewing possibility, as it may cause leaking among the terminals.
（4）外部浸入物的影响:由于该开关无密封机构，因此可能会由于外部环境中浸入的尘埃而引起接触失效，在使用该开关时，应采取防尘措施，以下是尘埃浸入的范例，使用时请注意防止：
The effect caused by outer immersed dust: Because the switch was designed without dust-proof structure, it may have failing contact due to the immersed dust from the outer environment. When using the switch, it’s necessary to take dust-proof actions. Examples of immersed dust, which should be prevented during the operation:
A. 加工过程中切口处及 PCB 孔处产生碎屑，或 PCB 防护材料，（如报纸、发泡、聚苯乙烯材料等）产生的废弃物等浸入开关内。
The scraps being generated during PCB processing, or other waste from the protective material for PCB such as newspaper, foam, polystyrene materials, may immerse inside the switch.
B. 在堆叠 PCB 时产生的助焊剂或粉末状焊剂浸入开关内。
The flux or solder powder being generated when stacking the PCB may immerse inside the switch.
4. 保存方法 Storage Method:
（1）为防止本产品的性能劣化性能受到影响，请保管在以下的条件和环境下：
In order to protect the switch performance, it should keep the switch under the following conditions:
A. 温度 -25℃以上，+80℃ 以下，湿度 85% 以下的环境。
Temperature of -25℃ to +80℃, with humidity lower than 85%RH;
B. 避免保存在含有腐蚀性气体等的空气中。
Avoid storing in the environment containing corrosive gas;
C. 产品购入后，不可超过 6 个月以上长期保管。
After purchasing, the storage period should not exceed 6 months.
D. 避免保存在日光能直射的场所。
Avoid keeping it in the location with direct sunlight.
（2） 在不施加负重外力的包装状态下进行保管。
Store using the standard packing without exerting force.
（3） 保存标准为 3 个月，限度为 6 个月以内，请尽早使用。打开包装后，有剩余品时，应将剩余部分以胶袋包装好以同外界隔离，请进行合适的防湿，防腐蚀气体等处理后进行保管。
The standard storage period is 3 months, with maximum up to 6 months, preferably to be used as soon as possible. After opening the package, you should put the remaining switches in a plastic bag to prevent from damp and corrosive gas.
5. 其它 Others:
请特别注意严格遵守以下的禁止事项及注意事项 Please take good care to comply with the following guidelines:
（1）关于火灾，冒烟的禁止事项 The prohibited practices where there is fire and fume:
A 超过额定负荷使用时，有发生火灾的可能性，故请切勿超负荷使用。
It might catch fire if the rating exceeds the specifications. Never use the switch beyond the rating.

B 如果有误使用、异常使用等有可能超过额定电流的话，请采取对策.如:通过设置保护电路等切断电流。
If the rating may exceed due to some abuse or abnormal usage, please take protective measures such as protective circuit to shut down the circuit.

（2）对于追求安全性产品的注意事项 Precautions to the products requiring special safety:
A 对于产品品质我司以期万全，但有可能发生寿命等故障形式，如性能劣化、短路、常开等。因此，在设计追求安全性产品的时候: “对于零件单一故障，产品会出现什么故障”。请进行事前检讨。
Though we are confident in switch quality, we can’t deny the possibility that there could be failure due to inferior performance, short or open circuit. Therefore, when designing the product requiring special safety, please verify in advance what effects would show on your product in case the switch alone may fail.
B 准备保护电路、保护装置的系统以谋求安全。
Prepare the system with protective circuit and protective devices for safety purposes.
C 准备安全备用电路,使单一的故障不会导致整体系统的失效,以确保安全性。
Prepare safety standby circuit to preclude the whole system failure that may result from specific failure.