

BSC300T Project Antenna Material Requirements Specification

Customer Name: Qiwu

Customer Name: BSC300T

Product Name: Steel sheet

Product Specifications: See BOM sheet list

material code for details:

Change content resume:

serial number	releases	state of affairs	starting and ending dates	wilfulness	pagination	note
1	first edition	first edition	2024-08-20	Joyce Lee (1973-), Hong Kong actress	10	
2						

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Development Design Engineer/Date	SQE Engineer/Date	Head of Procurement/Date	Development Manager Approval/Date

catalogs

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1. summarize

1.1 Scope of application

This requirement specifies the _____ Antenna Technical Requirements and Material Requirements Specifications for the BSC300T product. This requirement applies to the antenna selection, testing and acceptance of BSC300T This requirement applies to the antenna selection, testing and acceptance of BSC300T products.

1.2 Project Basic Information

Antenna Name:	BSC300T
Antenna bands:	GPS: 1575.42 MHz BT: 2400MHz-2500MHz BT: 2400MHz-2500MHz
Antenna Material:	steel sheet

2. Requirements for technical indicators

2.1 Introduction of test items and equipment

list of items	Test items	installations
S11 Parameters	VSWR, Return Loss	network analyzer
active test	TRP, TIS	Integrated tester, microwave darkroom
passive testing	Gain, efficiency	network analyzer

2.2.1 Test Description

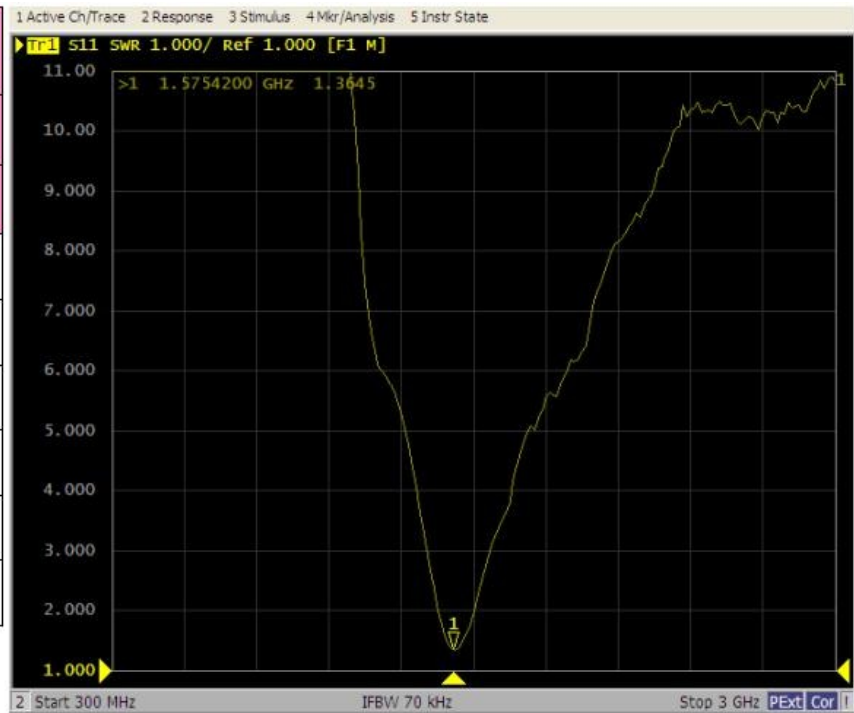
Test tools: Agilent 8960 synthesizer, R&SCMW500, full-wave far-field ETS darkroom, high-precision positioning system and its controller, and computer with automatic test program

Test environment: Temperature $22^{\circ}\text{C} \pm 3^{\circ}\text{C}$, Humidity $50\% \pm 15$

Test Method: The DUT is placed in the center position of the rotary table with H surface and fixed at the same level with the center position of the horn antenna. The positioning system makes the DUT rotate in the whole sphere to meet the high-precision three-dimensional positioning. Each RF instrument, turntable controller and PC with automatic test software communicate through GPIB interface.

2.2.2 GPS-Antenna Passive Parameters

Passive Test		
Freq	Effi	Gain
(MHz)	(%)	(dBi)
1560.0	45.3%	1.25
1565.0	47.5%	1.61
1570.0	49.1%	1.83
1575.0	50.5%	2.06
1580.0	49.2%	1.75
1585.0	47.4%	1.51



2.2.3 BT-1-Antenna Passive Parameters

Passive Test		
Freq	Effi	Gain
(MHz)	(%)	(dBi)
2400.0	40.3%	0.15
2420.0	42.5%	0.27
2440.0	44.1%	0.42
2460.0	45.8%	0.59
2480.0	45.0%	0.48
2500.0	43.2%	0.35

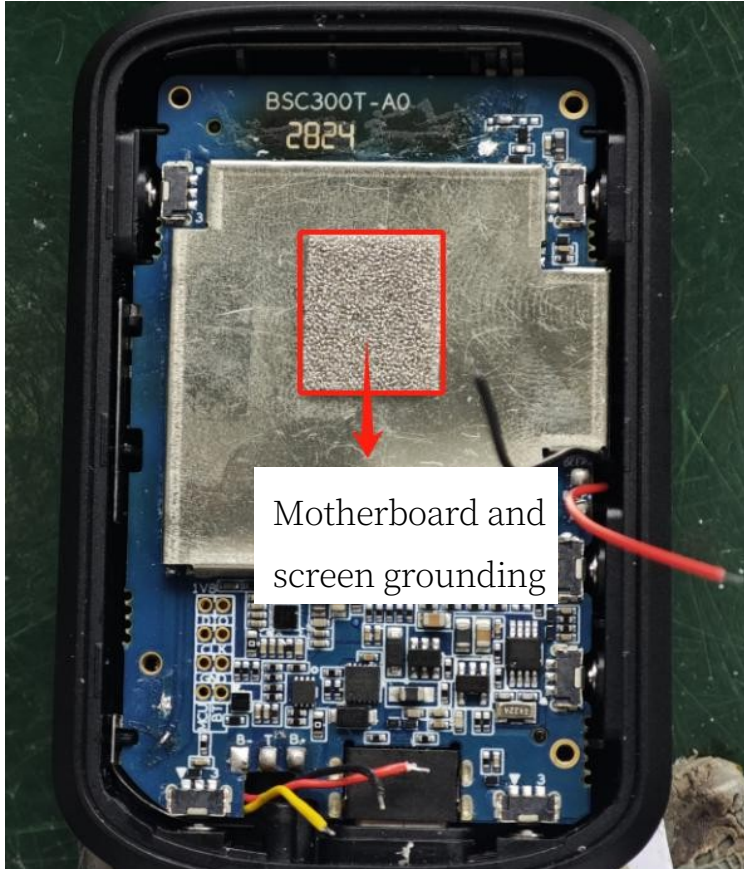


2.2.4 BT-2-Antenna Passive Parameters

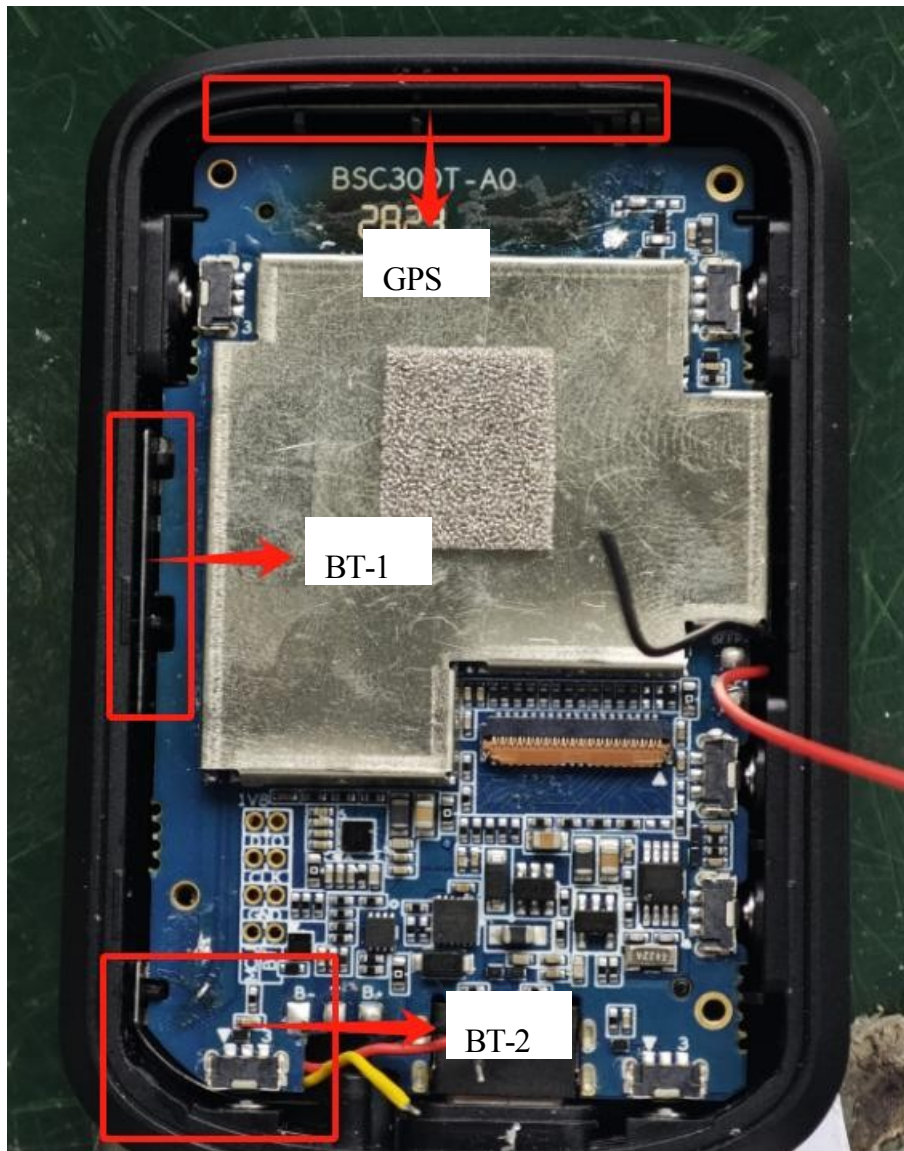
Passive Test		
Freq	Effi	Gain
(MHz)	(%)	(dBi)
2400.0	35.4%	-0.27
2420.0	36.9%	-0.02
2440.0	38.2%	0.16
2460.0	40.1%	0.28
2480.0	38.5%	0.11
2500.0	36.4%	0.02



2.2.5 environmental treatment

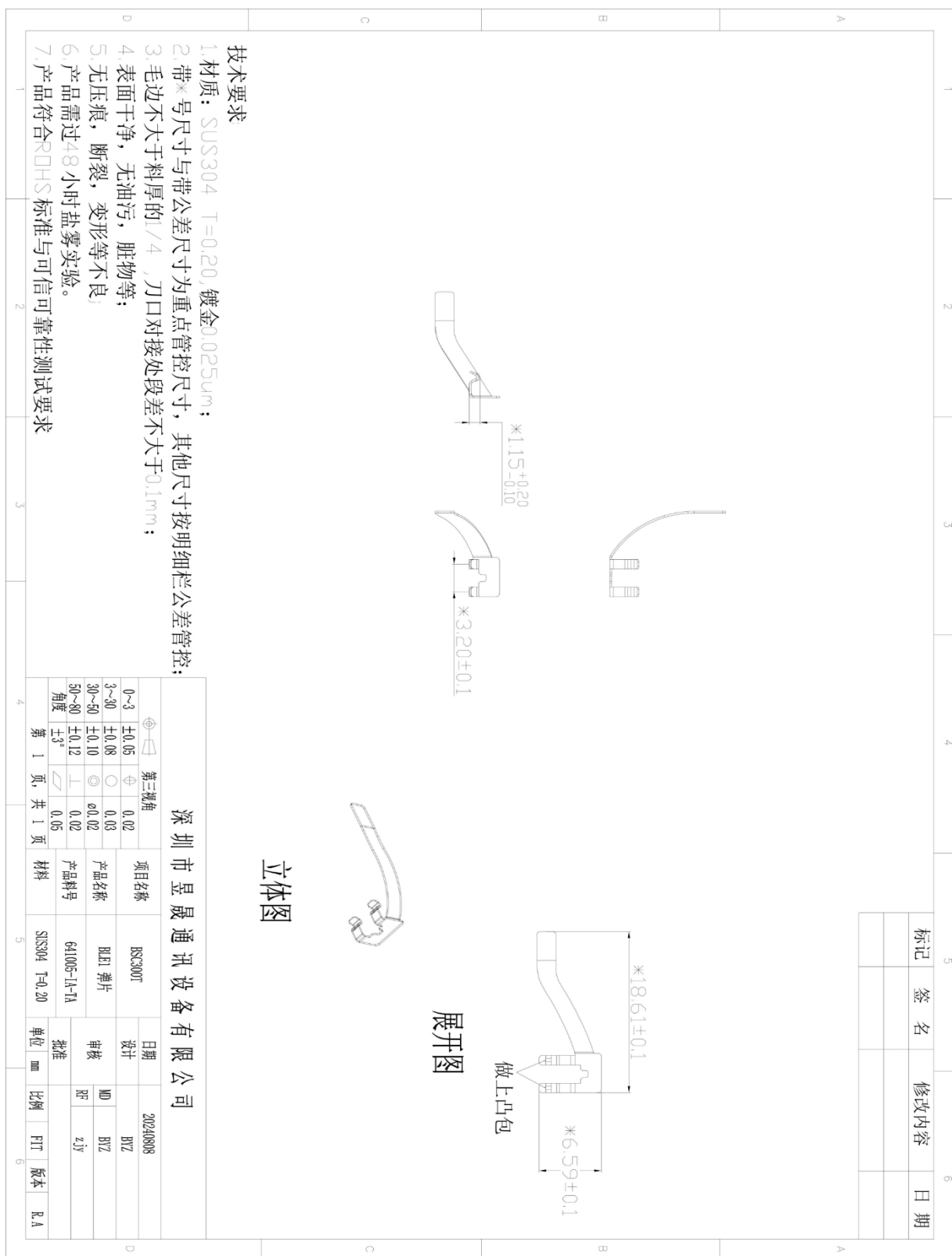


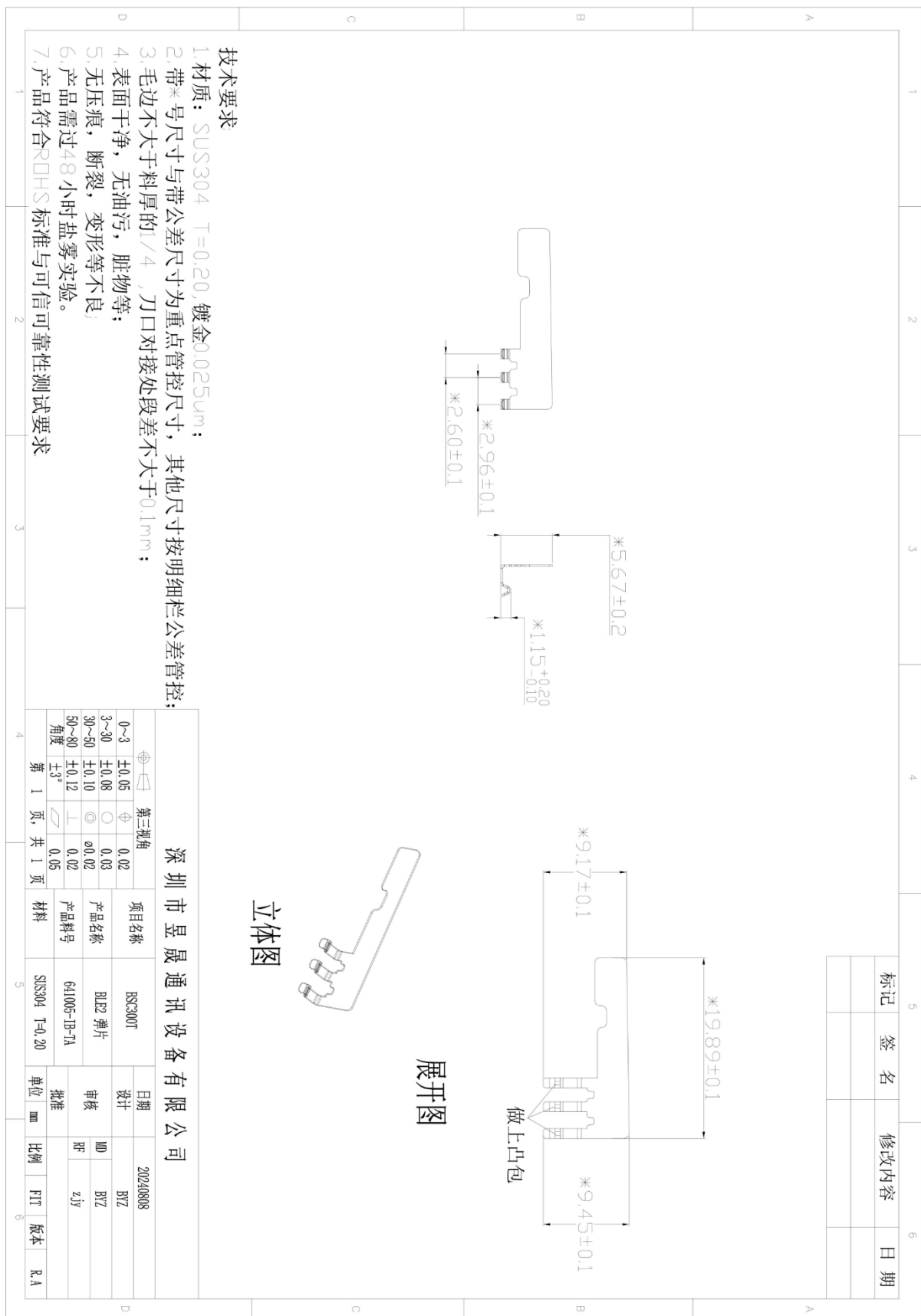
2.2.6 antenna position



3. Engineering drawings

Steel Sheet-1





版次：T:A

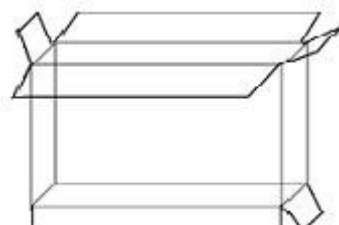
客户：641

机种：641005

制订日期：2024/08/21

项次	*物料编码	*物料名称	物料类别.名称	*机型	规格型号	颜色	*计量单位.	用量	备注
1	641005-IA-TA	BLE_2天线成品		BSC300T	SUS304 T=0.20MM 镀金0.025um 6.59*18.61*0.2mm	金色	PCS	1	
1.1	641005-IA-01-TA	BLE_2-铜片		BSC300T	SUS304 T=0.20MM 镀金0.025um 6.59*18.61*0.2mm	金色	PCS	1	
2	641005-IB-TA	BLE_1天线成品		BSC300T	SUS304 T=0.20MM 镀金0.025um 19.89*9.45*0.2mm	金色	PCS	1	
2.1	641005-IB-01-TA	BLE_1-铜片		BSC300T	SUS304 T=0.20MM 镀金0.025um 19.89*9.45*0.2mm	金色	PCS	1	
确认：			审核：			制作：闭业智			

5. Packing Diagram

Packaging Method Diagram																		
Pseudolaric acid	Antenna components																	
material number	641005																	
Item Model	BSC300T																	
Packing Details	Carton Size 1: 270*260*200MM Carton Size 2: 260*200*200MM Carton size 3. Depends on order quantity/volume																	
	Packing method	Minimum Packing 100pcs in a pack, in order to fill the waterproof bag, a Waterproof bags for up to 1000 materials																
	Total number of boxes loaded	Packing according to order quantity																
Labeling requirements	Label Size 1: Universal 100*100mm label size 2: According to customer requirements	<table><tr><td colspan="2">深圳市昱晟通讯设备有限公司</td></tr><tr><td>客户名称</td><td>*****</td></tr><tr><td>订单编号</td><td>*****</td></tr><tr><td>项目名称</td><td>*****</td></tr><tr><td>物料编码</td><td>*****</td></tr><tr><td>数 量</td><td>****pcs</td></tr><tr><td>出货日期</td><td>****年**月**日</td></tr><tr><td colspan="2">地址：深圳市光明新区光明大道南太云创谷园区2栋4楼4A</td></tr></table>	深圳市昱晟通讯设备有限公司		客户名称	*****	订单编号	*****	项目名称	*****	物料编码	*****	数 量	****pcs	出货日期	****年**月**日	地址：深圳市光明新区光明大道南太云创谷园区2栋4楼4A	
深圳市昱晟通讯设备有限公司																		
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地址：深圳市光明新区光明大道南太云创谷园区2栋4楼4A																		
caveat																		
1. Due to the limitation of the order quantity, the box size of each material is selected according to the total order quantity or the physical volume.																		
2. Storage temperature: room temperature																		
3. Storage conditions: stored in a cool and dry place																		