



深圳市英佳创电子科技有限公司

Shenzhen Yingjichuang Electronic Technology Co., Ltd.

<http://www.szsyjc.com>

APPROVAL SHEET

承认书

CUSTOMER NAME 客户名称		
CUSTOMER P/N 客户料号		
PART NAME 品 名	2.4G/5G 米黄色一体天线 L=90mm 2.4G/5G Beige Integrated Antenna, Length L = 90mm	
P/ N 料 号	YJC-6C090-C01	
APPROVAL REV. 版 次	A0	
DELIVERY DATE 送样日期	2026 年 03 月 20 日 March 20th, 2026	
PREPARED BY 承 办	殷飞杰 Yin Feijie	
CHECKED BY 审 核	方文锋 Fang Wenfeng	
APPROVED BY 核 准	肖 汉 Xiao Han	
Customer Approved 客 户 承 认		
Prepared By 承 办	Checked By 审 核	Approved By 核 准

Headquarters Address: Building 201, Block C, Hongyu Guangming Valley, No. 11 Yumiao Road, Ma Tian Subdistrict, Guangming District, Shenzhen City

Dongguan Branch Factory: No. 2, Hegang Third Road, Shishui Kou, Qiaotou Town, Dongguan City, Guangdong Province, China

Hangzhou Office: No. 5, Zhirong Street, Pu'an Subdistrict, Binjiang District, Hangzhou. Building 1, Binrun Science and Technology Park, Room 509

Mianyang Office: No. 34, 4th Floor, Wanxiang High-tech International Building, 35th Avenue of Mianxing Road, High-tech Zone, Mianyang City, Sichuan Province

Telephone: 0755-27810060 Fax: 0755-27810057 Website: <http://www.szsyjc.com>



深圳市英佳创电子科技有限公司

Shenzhen Yingjichuang Electronic Technology Co., Ltd.

<http://www.szsyjc.com>

目录 Table of Contents

1、	封面 Cover	1
2、	目录 Table of Contents	2
3、	履历表 Curriculum Vitae	3
4、	天线平面图 Antenna plan view	4
5、	天线技术参数及环境性能测试 Antenna technical parameters and environmental performance testing	5
6、	天线实物图 Antenna physical diagram	6
7、	天线性能测试图 Antenna performance test chart	6
8、	2D.3D (2.4G/5G) 测试数据 2D.3D (2.4G/5G) Test Data	7-8
9、	ROHS 物料控制报告 ROHS Material Control Report	9-10



深圳市英佳创电子科技有限公司

Shenzhen Yingjichuang Electronic Technology Co., Ltd.

<http://www.szsyjc.com>

履历表 Curriculum Vitae:

版本 Version	变更内容及更改原因 Change content and reasons for the change	日期 Date	发行 Release
A/0	初版发行 First edition release	2026 年 03 月 20 日 March 20th, 2026	



A B C D E

RohS

1代线端 First-generation terminal

1. 1.13黑色双锡线
1. 1.13 Black Double Tin Wire

*90.00±3.00

*9.90±0.30

*ø8.50±0.30

*6.10±0.30

红色防水圈

35.20±0.30

*102.00±1.00

8.20±0.30

米黄色外壳 Beige shell

频率范围 (Frequency Range)	2400~2500/5150~5850MHz
增益 (Gain)	2. ±1dB
电压驻波比 (VSWR)	<1.92
极化 (Polarization)	Linear Vertical
最大功率 (Max power rating)	50W
特性阻抗 (Impedance)	50Ω

技术要求:

Technical Requirements:
1:成品须100%测试导通OK

The finished product must be 100% tested to ensure proper conductivity.

2:成品须100%全检OK.
The finished products must undergo 100% thorough inspection and must be 100%合格 (passing).

3:成品采用环保制程。
The finished product is produced using environmentally friendly processes.

4:符合RoHS要求。

Compliant with the RoHS requirements.
5:未注公差请以一般公差为准。
If no tolerance is specified, please use the general tolerance as the standard.

REV	DATE	DESCRIPTION	NAME
A0	2025-03-20	新版发行 New edition release	邬飞杰Vin Feiljie
A1			

				零件名称 (PART NAME) 通用型		单位 (UNIT) 箱	比例 (SCALE)	版本 (VER.) A0	幅面 (SIZE) A4
				产品名称 (PRODUCT NAME) 2.4GFS 垂直极化天线		产品规格 (PRODUCT SPECIFICATION) NO. 113 长度约1.5m No. 113 Total length 1.5 m		产品料号 (PRODUCT NO.) YJC-6090-C01	
世强企社 (SHENGLI ELECTRONICS) 主理人(CEO) 黄志平 (JOSHUA HUANG)		尺寸图 (DIMENSIONS)		设计 (DESIGNER) DS		审核 (CHECKED BY) 陈飞杰 Vin Feiljie		第几版日期 (ORIGINAL DATE) 2025-03-20	
DIN 11706 ISO 9001:2015 CEC		EUTRA FCC ID: A6KXZ CCC		射频标准 RFID		英文翻译 Writing		深圳市英佳创电子科技有限公司 SHENZHEN YINGJIACHUANG TECHNOLOGY ELECTRONIC CO.,LTD	

A

B

C

D

E

F

G



天线技术参数及环境测试 Antenna technical parameters and environmental testing:

电气技术参数 Electrical technical parameters			
Electrical Specifications		Mechanical Specifications	
Frequency Range	2400-2500/5150-5850MHz	Antenna Color	Beige
VSWR	<1.92	Input connector	XD
Input Impedance	50 Ω	Cable length	90mm
Direction	All	Working Temperature	-20℃~+70℃
Gain	2.0±1dBi	Working Humidity	20%~80%

环境性能测试 Environmental performance test:

项目 Project	测试条件 Test conditions	规格 Specification
储存环境 Storage environment	在没有指定的情况下测试温度、湿度、气压如下： 1. 温度为-20℃~+70℃ 2. 相对湿度为45%-85% 3. 气压为86kpa-106kpa Without any specific instructions, the following test conditions for temperature, humidity and air pressure are as follows: 1. Temperature range: -20℃ to +70℃ 2. Relative humidity range: 45% to 85% 3. Air pressure range: 86kpa to 106kpa	电气机械性能正常 Electrical and mechanical performance is normal.
低温储存试验 Low-temperature storage test	温度: -30℃±2℃、储存时间: 48h Temperature: -30℃ ± 2℃, Storage time: 48 hours	电气机械性能正常 Electrical and mechanical performance is normal.
高温储存试验 High-temperature storage test	温度: +80℃±2℃、储存时间: 48h Temperature: +80℃ ± 2℃, Storage time: 48 hours	电气机械性能正常 Electrical and mechanical performance is normal.
模拟运输振动试验 Simulated transportation vibration test	试验速度: 150RPM; 试验时间: 95分钟; Test speed: 150 RPM; Test duration: 95 minutes;	电气机械性能正常 Electrical and mechanical performance is normal.
跌落试验 Drop test	1M高空按照互相垂直的轴方向自由跌落3次 1M height: freely fall 3 times in the direction of mutually perpendicular axes	电气机械性能正常 Electrical and mechanical performance is normal.

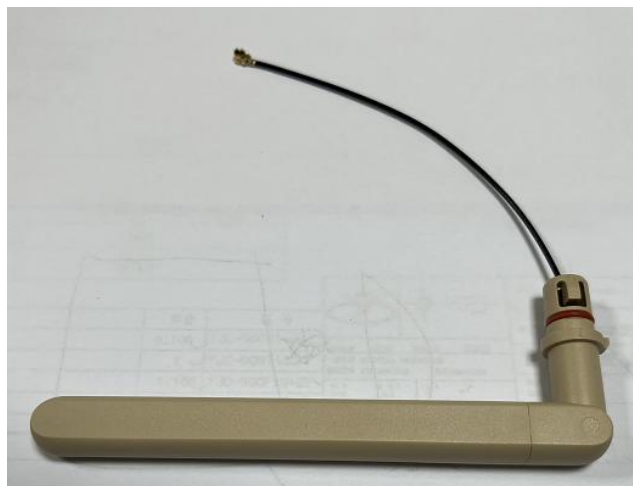


深圳市英佳创电子科技有限公司

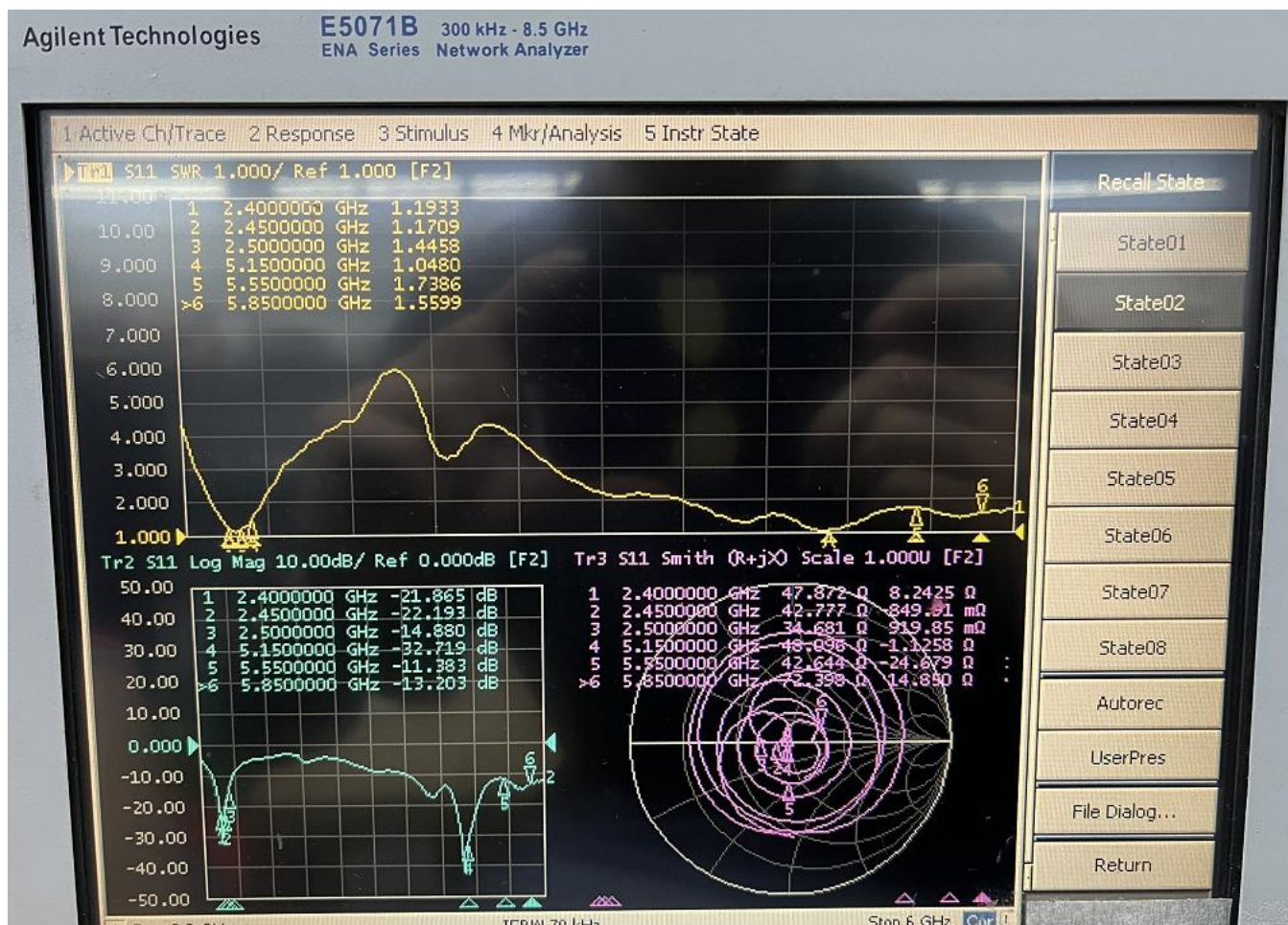
Shenzhen Yingjichuang Electronic Technology Co., Ltd.

<http://www.szsyjc.com>

天线实物图 Antenna physical diagram:



天线性能测试图 Antenna performance test chart:

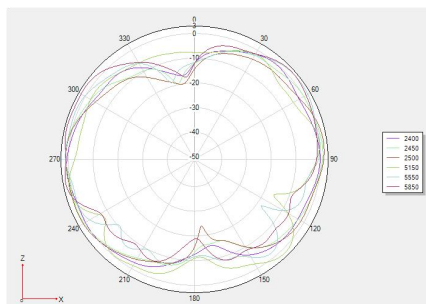




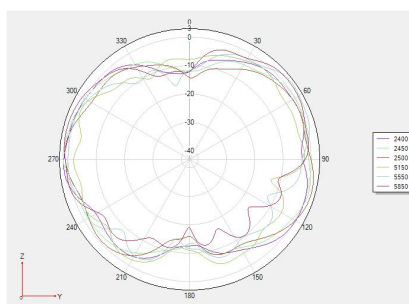
2D、3D(2.4G/5G)测试数据 2D and 3D (2.4G/5G) test data:

Frequency (MHz)	Efficiency (%)	Gain. (dBi)
2400	55.59	2.04
2410	54.2	2.07
2420	60.57	2.12
2430	55.97	2.45
2440	56.95	2.1
2450	54.72	2.04
2460	52.12	2.33
2470	53.67	2.06
2480	54.4	2.17
2490	54.64	2.12
2500	52.81	2.22
5150	51.35	2.17
5250	53.65	2.61
5350	51.95	2.1
5450	50.36	2.13
5550	55.75	2.62
5650	53.5	2.13
5750	54.88	2.41
5850	55.47	2.9

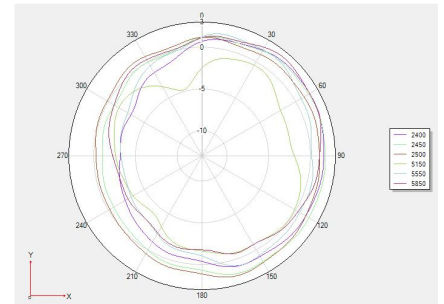
Phi 0 2D:



Phi 90 2D

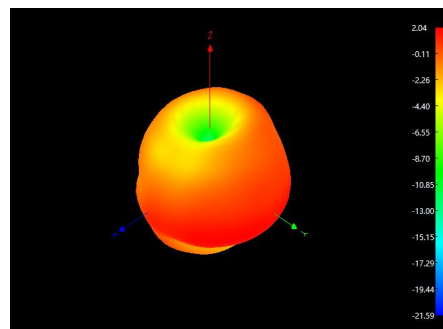
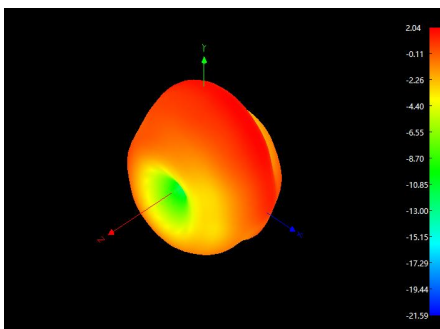
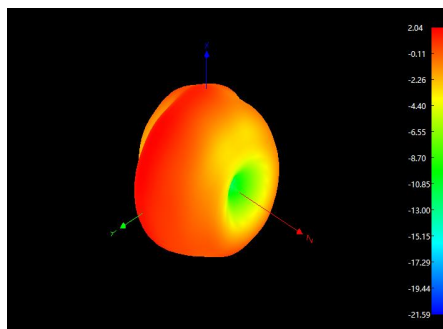


Theta 90 2D

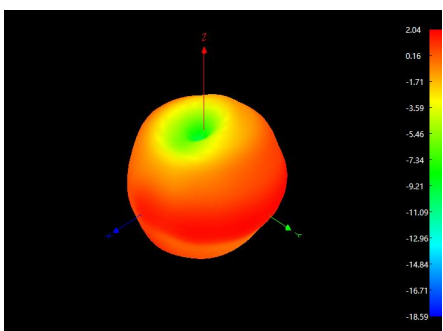
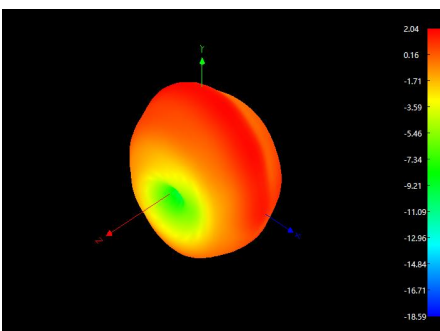
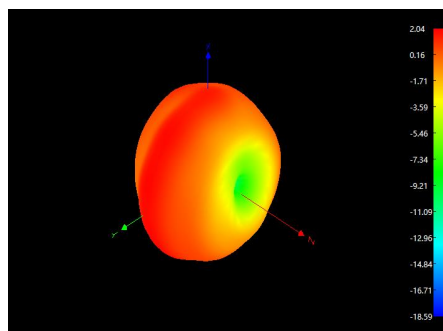




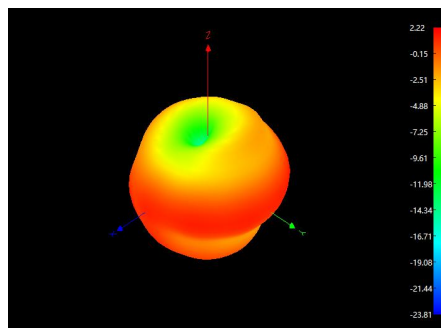
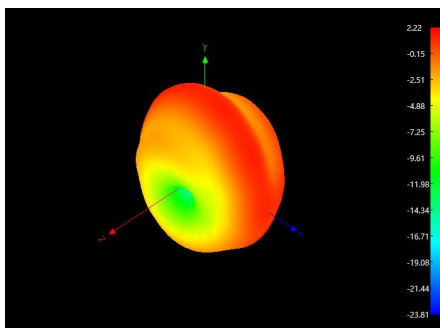
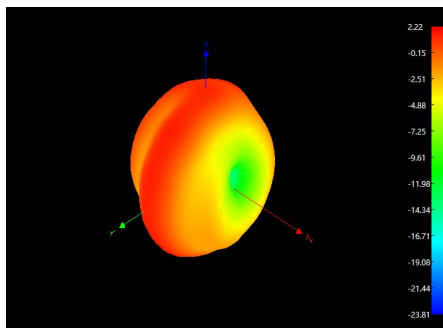
3D 2400



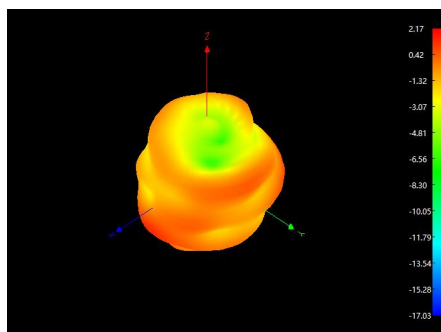
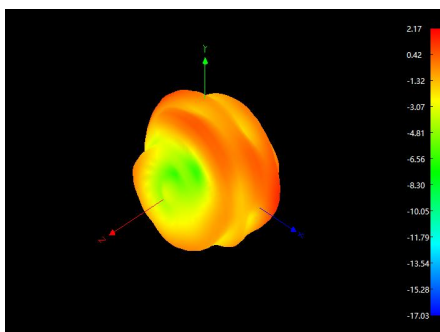
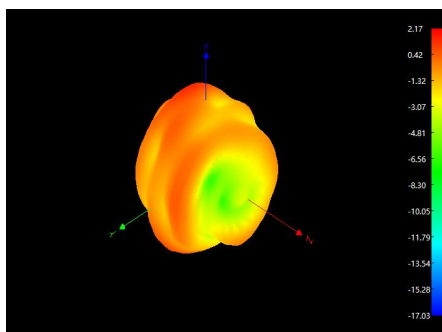
3D 2450



3D 2500

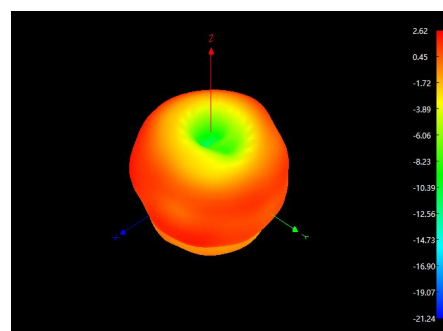
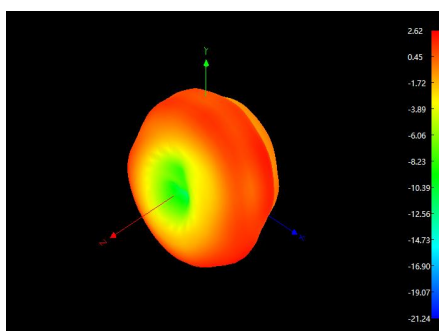
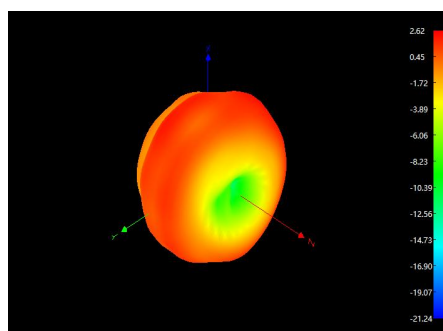


3D 5150

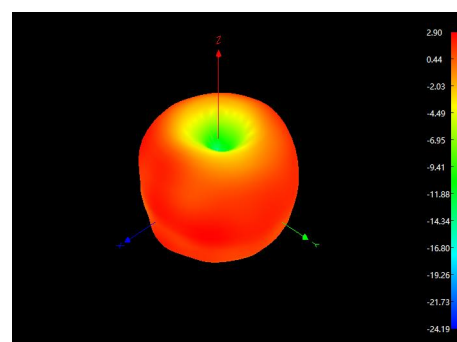
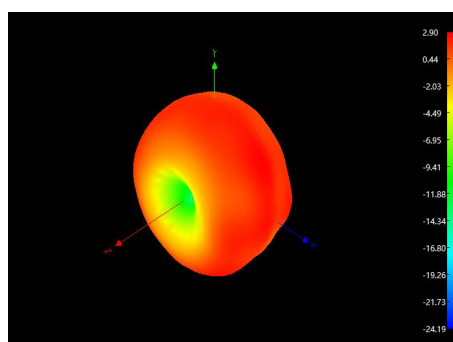
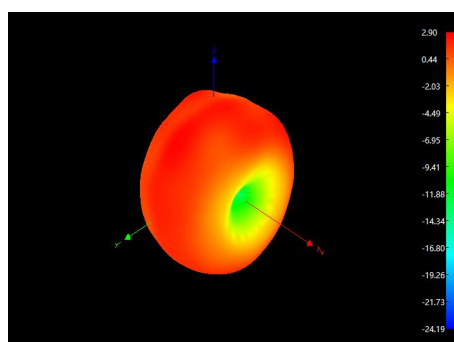




3D 5550



3D 5850





深圳市英佳创电子科技有限公司

<http://www.szsyjc.com>

ROHS 物料控制报告 ROHS Material Control Report

兹证明向贵司交货的零组件、辅助材料所使用的原材料、以及生产工程中的添加剂等均符合 RoHS 限制使用有害物质指令的环保要求 (RoHS 指令 2011/65/EC) This is to certify that the raw materials used for the components and auxiliary materials delivered to your company, as well as the additives used in the production process, all comply with the environmental protection requirements of the Restriction of Hazardous Substances Directive (RoHS Directive 2011/65/EC).

关于零组件、辅助材料所使用的原材料、包装材料以及和生产过程中使用的添加剂等的构成成份报告如下: The composition of the raw materials, packaging materials used for components and auxiliary materials, as well as the additives used in the production process, is as follows:

组成物料名称 Component /Part Name	组成材料 Material Composition	ICP 报告编号 ICP report #	测试机构 Test Org.	测试时间 Test Date	有害物质含量(ppm)						是否合格? PASS?
					Cd	Pb	Hg	Cr ⁶⁺	PBB	PBDE	PASS
PCB	PCB	CANPC25021701016	SGS	25/09/11	ND	14	ND	ND	ND	ND	PASS
环保锡丝 Environmental-friendly tin wire	环保锡丝 Environmental-friendly tin wire	SHAEC25010833002	SGS	25/05/15	ND	63	ND	ND	ND	ND	PASS
线材 Wire material	同轴线缆 Coaxial cable	CANEC25018034403	SGS	25/07/30	ND	ND	ND	ND	ND	ND	PASS
端子 Terminal	磷青铜 Phosphor bronze	CANEC25027363005	SGS	25/11/13	ND	4	ND	ND	ND	ND	PASS
	金镀层 Gold coating	A2250437743101001E	CTI	25/06/27	ND	ND	ND	ND	ND	ND	PASS



深圳市英佳创电子科技有限公司

<http://www.szsyjc.com>

	胶芯 O-ring	48279652A4001	CTI	25/07/25	ND	ND	ND	ND	ND	ND	PASS
硅胶圈 Silicone ring	硅橡胶 Silicone rubber	CANEC25032661502	SGS	26/01/08	ND	ND	ND	ND	ND	ND	PASS
弹簧 Spring	铜 Copper	CANEC25022617204	SGS	25/09/17	ND	9	ND	ND	ND	ND	PASS