

承认书

SPECIFICATION

客户 (Customer): 合肥京东方视讯科技有限公司

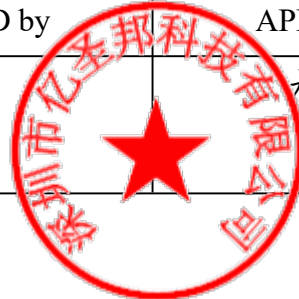
品名 (Product Name): BT天线

料号 (Part No.): 61005-01029

机种 (Model Name): 75寸电视

日期 (Date): 2025/01/14

供 应 商 签 核 SUPPLIER APPROVED SIGNATURES		
担当 PREPARED by	审查 CHECKED by	核准 APPROVED by
范新竹	黄震	林美财



供应商名称 (Supplier Name) 深圳市亿圣邦科技有限公司
Room 101, Building C, Qianwan Hard Technology Industrial Park, Gushu, Bao'an District, Shenzhen

供应商地址 (Supplier Add.): 深圳市宝安区固戍前湾硬科技产业园C栋101

供应商电话 (Supplier Tel): 18025305599

CONTENT OF LIST (承认书目录)

[illegible]

REVISION HISTORY (产品变更明细)

[illegible]

Product specification Photos
(高清实物照片)

料号Part No.	61005-01029	品名Product Name	BT天线
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正面照片 Front Photo

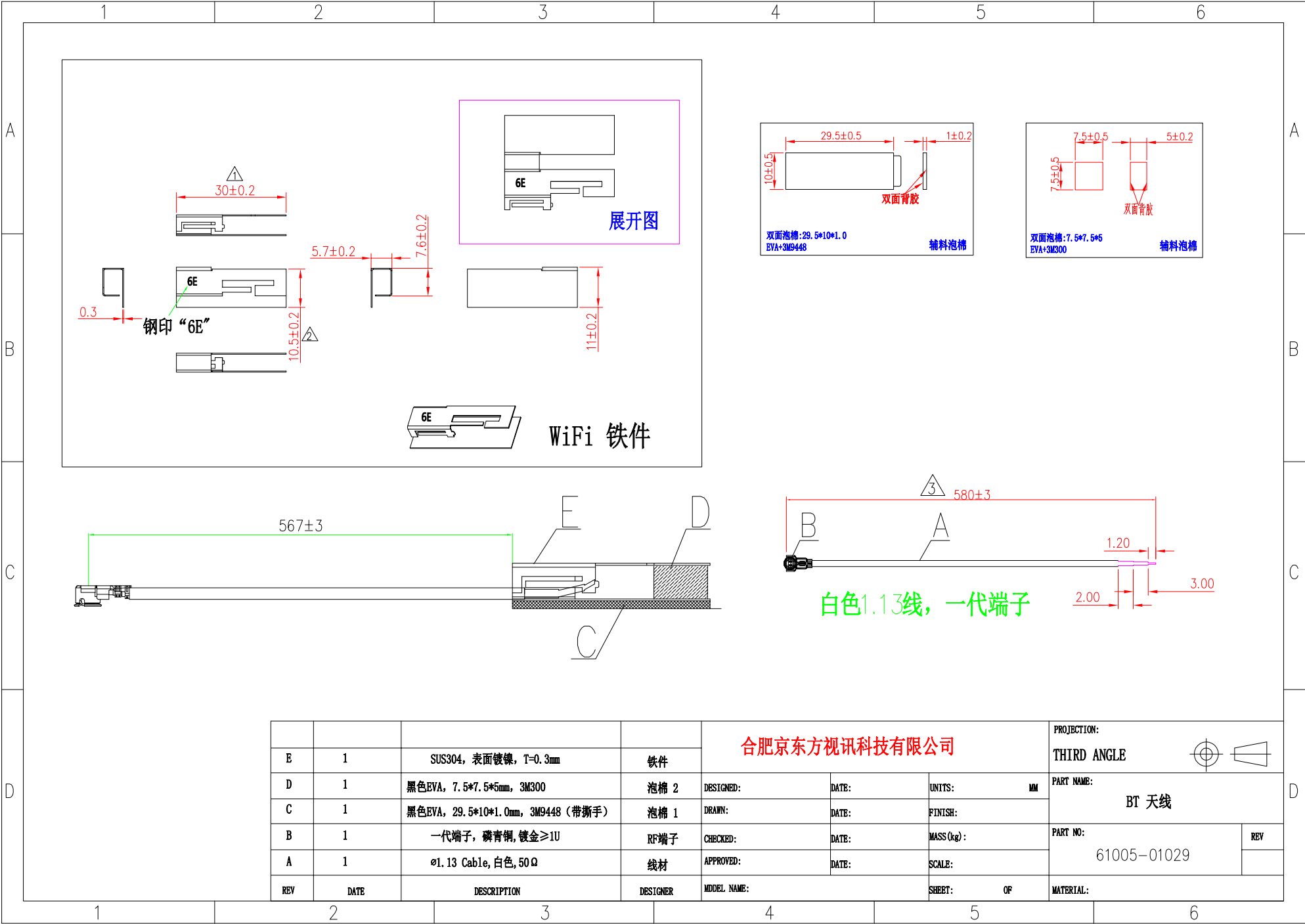


反面照片Back Photo



安装位置照片



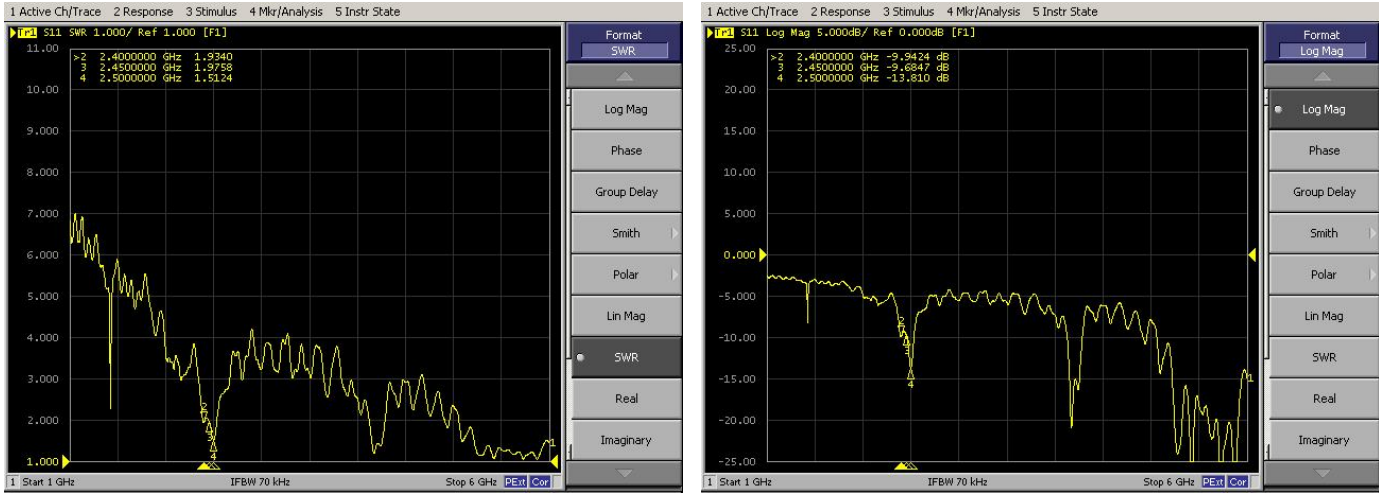


合肥京东方视讯科技有限公司				PROJECTION: THIRD ANGLE	
E	1	SUS304, 表面镀镍, T=0.3mm	铁件	DESIGNED:	DATE:
D	1	黑色EVA, 7.5*7.5*5mm, 3M300	泡棉 2	DRAWN:	DATE:
C	1	黑色EVA, 29.5*10*1.0mm, 3M9448 (带撕手)	泡棉 1	CHECKED:	DATE:
B	1	一代端子, 磷青铜, 镀金≥1U	RF端子	MASS (kg):	SCALE:
A	1	φ1.13 Cable, 白色, 50 Ω	线材	APPROVED:	DATE:
REV	DATE	DESCRIPTION	DESIGNER	MODEL NAME:	SHEET: OF
				PART NAME: BT 天线	
				PART NO: 61005-01029	
				MATERIAL:	

Product specification (产品规格参数)

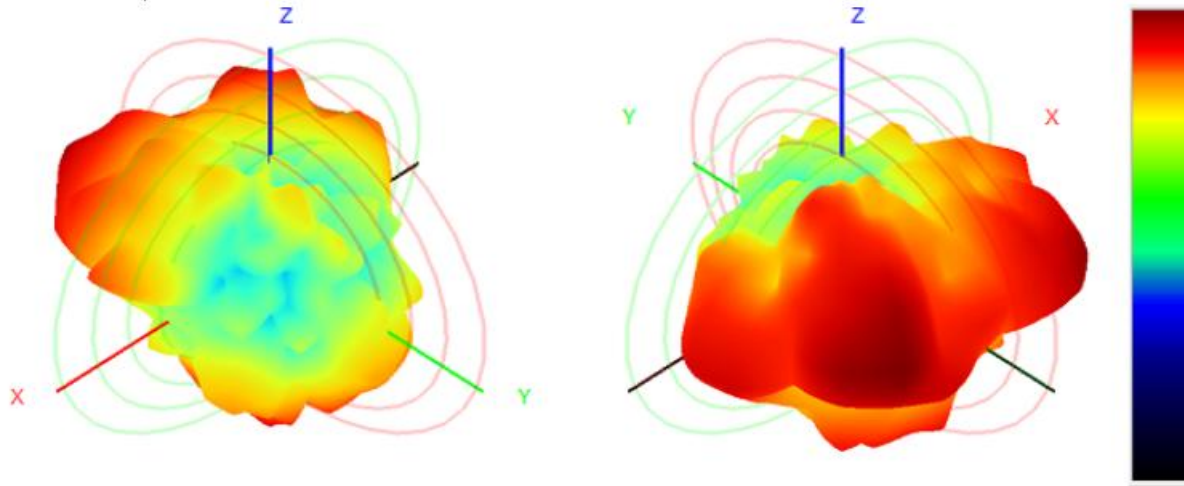
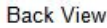
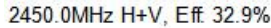
特性Characteristic	规格Specifications	单位 Company
外形尺寸Dimensions	30*11*5.7 T=0.3	mm
频率范围Frequency Range (GHZ)	2.4-2.5	GHz
驻波比VSWR	3max	
输入阻抗Impedance (Ω)	50	Ω
天线类型Antenna type	PIFA Antenna	
匹配参数Matching parameter	N/A	
线长Line length	580±3	MM
同轴电缆Coaxial cable	White ϕ 1.13	MM
维持力Sustainability	≥1.0Kg	Kg
工作温度Working temperature	-30℃~70℃	℃
存储温度Storage temperature	-30℃~70℃	℃

VSWR/S11



BT Antenna Gain/Efficiency//3D DATA

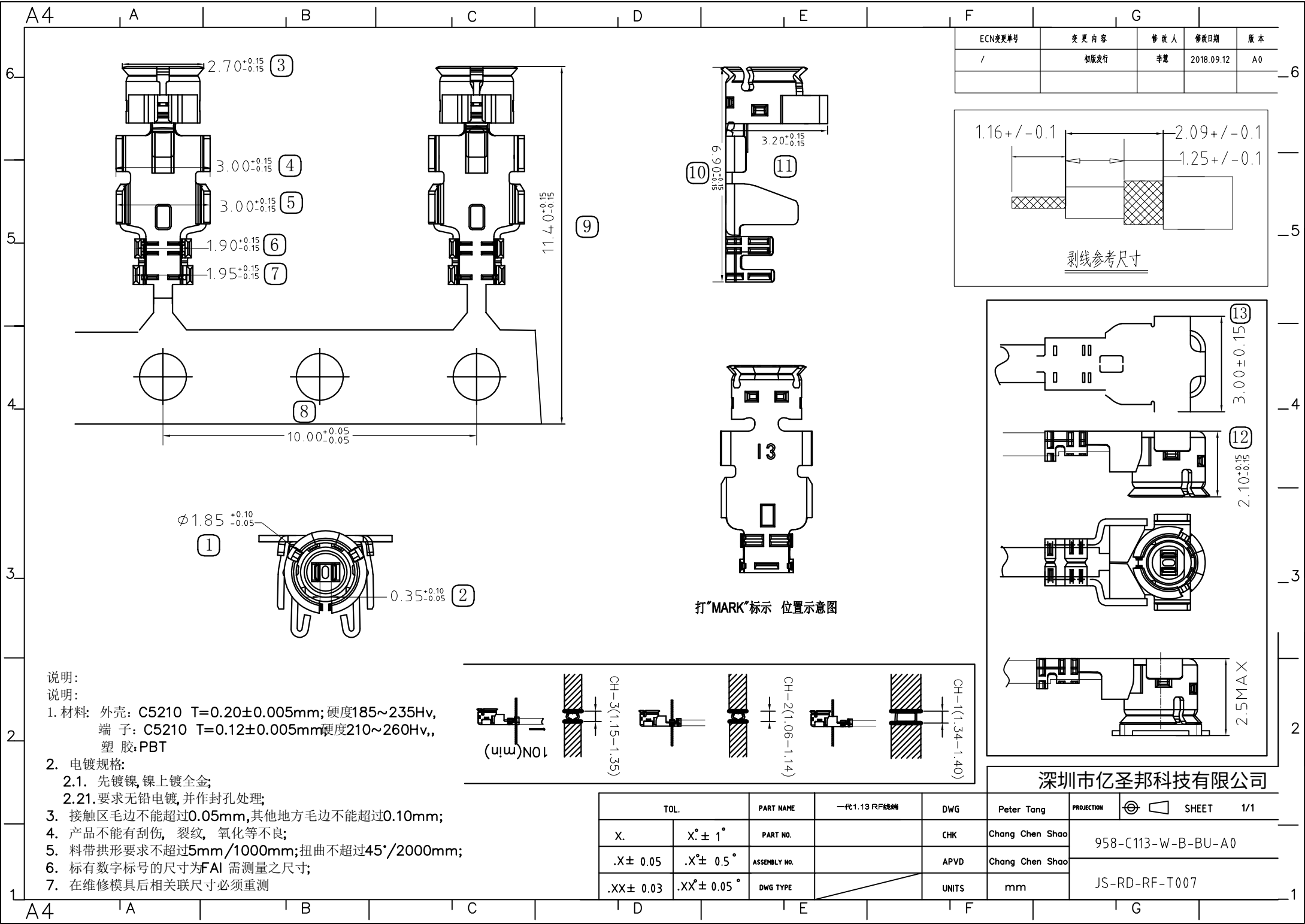
Frequency (MHz)	2400.0	2450.0	2500.0
Average Gain(dB)	-4.95	-4.82	-4.71
Gain (dBi)	2.23	2.39	2.21
Efficiency (%)	31.93	32.89	33.79



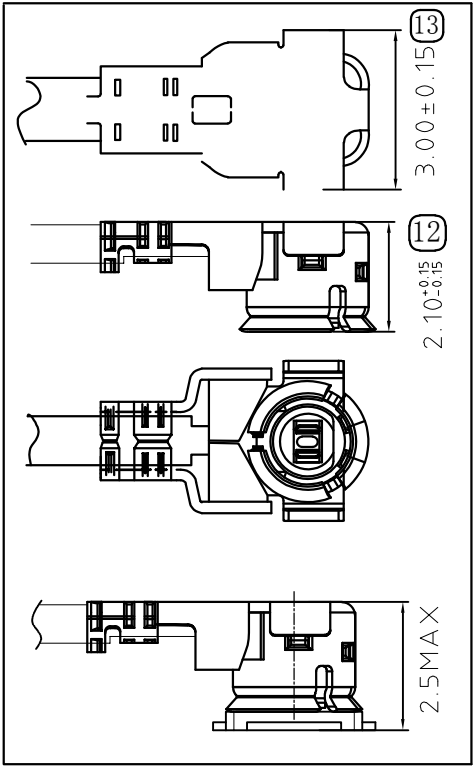
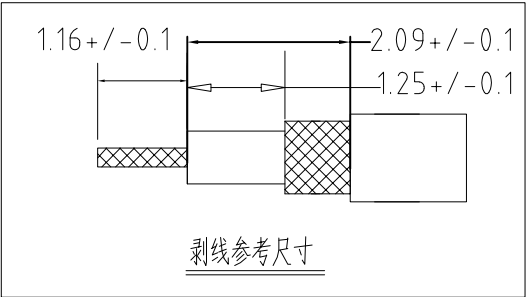
Key Materials List (关键物料清单)

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产品规格 Product Type		RF113/50双锡线		
结构图 Structure Drawing				
结构特性 Structure Characteristics				
结构 Structure	项目Item	标准值Standard Value		
内导体 Inner Conductor	材质Material	镀锡铜线Tinned Copper Wire		
	结构Construction(mm)	7/0.08		
	标称外径Nom.Dia(mm)	0.24±0.02		
绝缘层 Insulation	材质Material	聚全氟乙丙烯FEP		
	标称外径Nom.Dia(mm)	0.70±0.02		
外导体 Outer Conductor	材质Material	镀锡铜线Tinned Copper Wire 16*4/0.05		
	标称外径Nom.Dia(mm)	0.92±0.05		
	编织覆盖率Coverage Ratio(%)	90±5		
护套 Jacket	材质Material	聚全氟乙丙烯FEP		
	标称外径Nom.Dia(mm)	1.13±0.05		
电气性能 Electrical Characteristics				
项目Item	标准值 Standard Value	项目Item	频率 Frequency	标准值 Standard Value
阻抗Impedanc (Ω)	50±2	衰减 Attenuation@20℃ (dB/m)	1GHz	2.20
电容Capacitance(pF/m)	98		2GHz	3.10
速率Velocity(%)	70		3GHz	3.80
驻波比VSWR	≤1.30@DC-6GHz		4GHz	4.40
最大工作电压 Max.Operating Voltage(V)	1000		5GHz	4.90
最大工作频率 Max.Operating Frequency(GHz)	6		6GHz	5.40
可靠性 Dependability				
最小弯曲半径(单次)Min.Bending Radius/Single		mm	5	
最小弯曲半径 (重复) Min.Bending Radius/Repeated		mm	10	
工作温度范围Operating Temperature		℃	-55- +200	
包装Packing				
包装方式Packing Mode	纸盘Papery Reel			
包装长度The Length of Each Reel(m)	1000			
每盘段数The Joints of Each Reel	≤5			
最小段长Min. Segment Length(m)	≥10			
使用提示 Trips for Use				
存储环境Storage Environment	温度：30℃以下，湿度：20-65%			
最佳保存周期The Best Save Cycle	2个月，2个月以上上锡效果变差，但电性能不受影响，夏季高温高湿环境开剥后需尽快流转			
加工温度Processing Temperature	可短时承受260℃的高温，300℃以上易发生分解，400℃以上发生显著的热分解			
铁氟龙收缩Teflon Shrink	材料的固有属性，绝缘0.2mm以下，护套0.3mm以下			
护套窜动Jacket Taaverse	加工长度（护套残留长度）低于5CM时易发生			

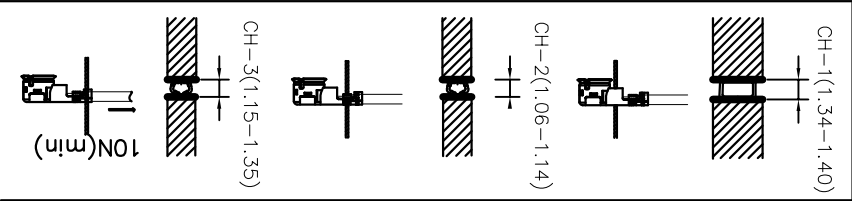


ECN变更单号	变更内容	修改人	修改日期	版本
/	初版发行	李慧	2018.09.12	A0



打“MARK”标示 位置示意图

- 说明:
- 说明:
- 材料: 外壳: C5210 T=0.20±0.005mm; 硬度185~235Hv, 端子: C5210 T=0.12±0.005mm, 硬度210~260Hv,, 塑胶:PBT
 - 电镀规格:
 - 先镀镍, 镍上镀金;
 - 要求无铅电镀, 并作封孔处理;
 - 接触区毛边不能超过0.05mm, 其他地方毛边不能超过0.10mm;
 - 产品不能有刮伤, 裂纹, 氧化等不良;
 - 料带拱形要求不超过5mm/1000mm; 扭曲不超过45°/2000mm;
 - 标有数字标号的尺寸为FAI 需测量之尺寸;
 - 在维修模具后相关联尺寸必须重测



TOL.		PART NAME	一代1.13 RF终端	DWG	Peter Tang	PROJECTION		SHEET	1/1
X.	X° ± 1°	PART NO.		CHK	Chang Chen Shao	958-C113-W-B-BU-A0			
.X ± 0.05	.X° ± 0.5°	ASSEMBLY NO.		APVD	Chang Chen Shao				
.XX ± 0.03	.XX° ± 0.05°	DWG TYPE		UNITS	mm	JS-RD-RF-T007			

深圳市亿圣邦科技有限公司



Double Coated Tissue Tape

9448A/9448AB

Technical Data

Jan 2009

Product description **9448A/9448AB:** 3M™ Double Coated Tissue Tape for dimensional stability and improved handling with ease of die cutting and laminating. The high adhesion adhesive provides excellent adhesion to a variety of surfaces.

Construction

9448A/9448AB

Faceside ¹ Adhesive Type/Thickness:	Acrylate /0.003" (0.076mm)
Backside ² Adhesive Type/Thickness:	Acrylate/0.003" (0.076mm)
Liner Color, Type, Print	White, 120gsm PCK , 3M logo
Liner Caliper:	0.0056" (0.14mm)
Carrier Type:	Tissue
Tape color:	Translucent/Black

Note 1: Faceside adhesive is on the interior of the roll, exposed when unwound.

Note 2: Backside adhesive is on the exterior of the roll, exposed when liner is removed.

3M™ Double Coated Tissue Tape 9448A/9448AB

Typical Physical Properties and Performance Characteristics

Note : The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

180 degree peel adhesion ASTM D3330, 2mil PET backing

Adhesion to Stainless steel	N/100mm
-----------------------------	---------

- | | |
|----------------|-----|
| - 30 minute RT | 135 |
| - 72 hours RT | 140 |

Adhesion to PC

- | | |
|----------------|-----|
| - 30 minute RT | 135 |
| - 72 hours RT | 140 |

Adhesion to PP

- | | |
|----------------|-----|
| - 30 minute RT | 100 |
| - 72 hours RT | 105 |

Shear Strength – ASTM D3654
(1 inch² sample size)

1000grams at 72° F (22°C)	5000 minutes
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Relative solvent resistance	Medium
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UV Resistance	Medium
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Relative High Temperature

Operating Ranges:

Long Term (days, weeks)	70°C
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Short Term (minutes, hours)	150°C
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Shelf Life of Tape in Roll Form

24 months from date of manufacture when stored in original cartons at 70° F (21°C) and 50% relative humidity.

3M™ Double Coated Tissue Tape 9448A/9448AB

Application Techniques

Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure helps develop better adhesive contact and improves bond strength.

To obtain optimum adhesion, the bonding surfaces must be clean, dry and well unified. Some typical surface cleaning solvents are isopropyl alcohol or heptane.

Note: Carefully read and follow the manufacturer's precautions and directions for use when working with solvents.

Ideal tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application to surfaces at temperatures below 50°F (10°C) is not recommended because the adhesive becomes too firm to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.

General Information

All tapes have a tissue carrier, which can add dimensional stability to foams and other substrates. The carrier also provides easier handling during slitting and die-cutting.

Features

3M™ Adhesive is a medium-firm acrylic adhesive system featuring both high initial adhesion and good high temperature holding power.

Application Ideas

- Nameplate bonding
 - Plastic film lamination/bonding
 - Foam bonding
-

Application Equipment

To apply adhesives in a wide web format, lamination equipment is required to ensure acceptable quality. To learn more about working with pressure-sensitive adhesives please refer to technical bulletin, Lamination Techniques for Converters of Laminating Adhesives.

For additional dispenser information, contact your local 3M sales representative.

3M™ Double Coated Tissue Tape 9448A/9448AB

Certification/ Recognition

MSDS: 3M has not prepared a MSDS for the products which are not subject to the MSDS requirements of the Occupational Safety and Health Administration's Hazard Communication Standard, 29 C.F.R.

TSCA: The product are defined as articles under the Toxic Substances Control Act and therefore, are exempt from inventory listing requirements.

Important Notice

3M MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of application. Please remember that many factors can affect the use and performance of a 3M product in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a 3M product. Given the variety of factors that can affect the use and performance of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

Limitation of Remedies and Liability

If the 3M product is proved to be defective, The exclusive remedy, at 3M'S option, shall be to refund the purchase price of or to repair or rplace the defective 3M product. 3M shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including, but not limited to, contract, negligence, warranty, or strict liability.

ISO 9002

This Engineered Adhesives Division product was manufactured under a 3M quality system registered to ISO 9002 standards.

3M

3M Maxdo, Xingyi Road 8
Shanghai, PRC.

• **3M** 2009