

# FN-LINK TECHNOLOGY Ltd.

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## Acknowledgment

CUSTOMER APPROVED BY		
Approved by	Checked by	Prepared by

SUPPLIER APPROVED BY		
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Supplier Name: FN-LINK TECHNOLOGY Ltd.

Supplier Address: Office Address: 14th Floor, Block B, Phoenix Zhigu, No.50 Tiezai Road, Gongle Community, Xixiang Street, Baoan District, Shenzhen, China 518000

Supplier Factory: Factory address: No.8, Litong Road, Liuyang Economic & Technical Development Zone, Changsha, Hunan, China 41032

Phone number: 86-755-2955-8186  
website: www.fn-link.com

# antenna testing

Customer	xianzhiwulian
Project Name	
Customer NO.	
specification	FPC antenna WIFI 2. 4-5G
Supplier NO.	1AAXZWLGW0-0G57-00
Specification NO.	
Write by	Jack
REV.	Ver.1
Date	2024-1- 15
Note	

Version change log				
Change date	Change content	edition	edition	Alteration party

## 1. Admission book item table (Index)

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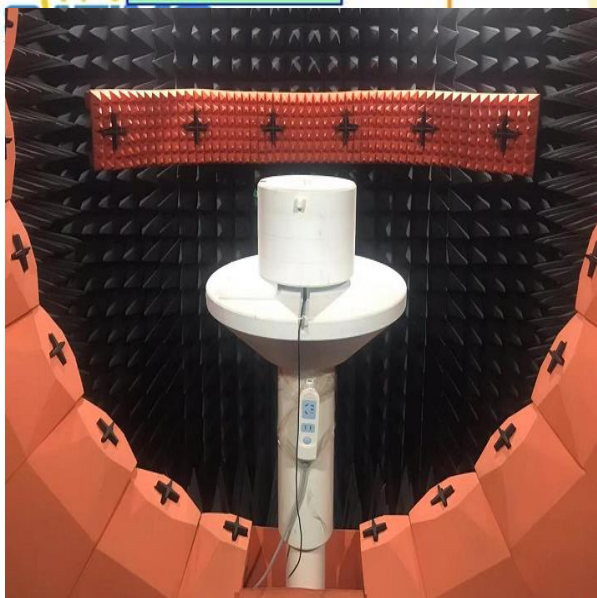
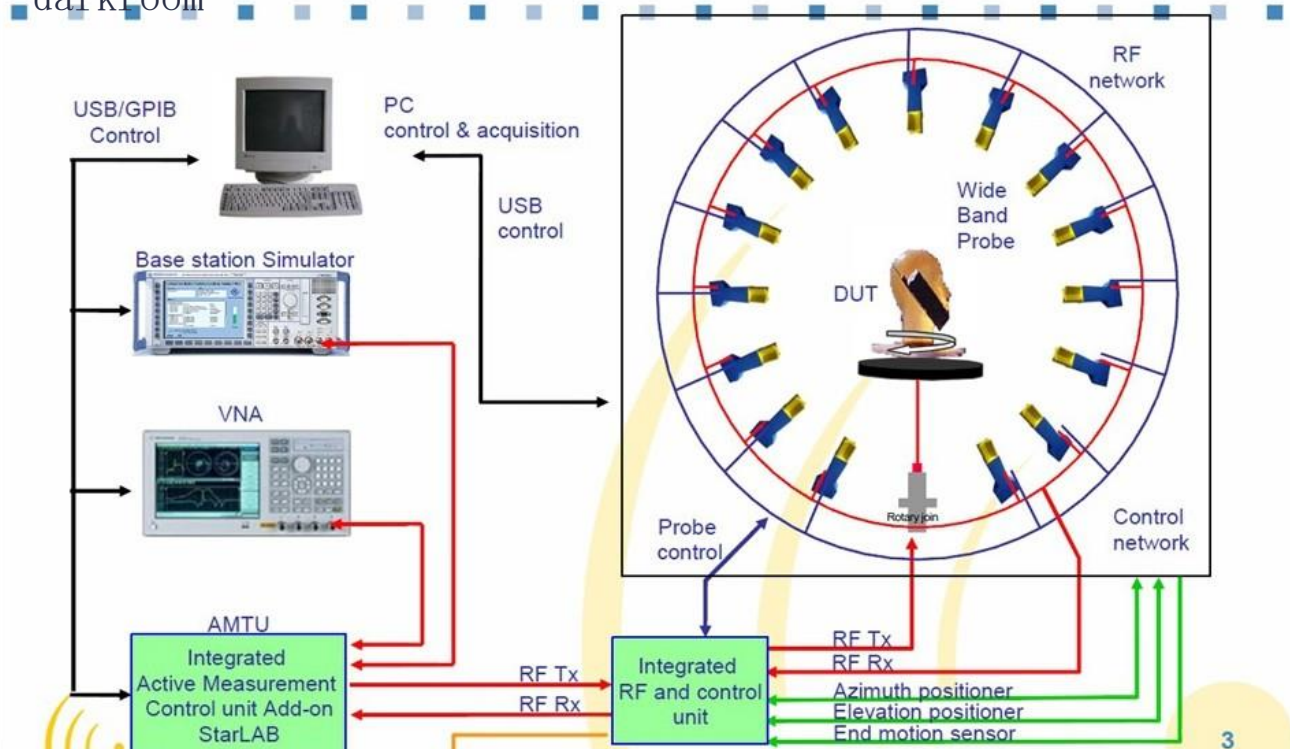
# 1. Test equipment and conditions

1.1 . Network Analyzers : KEYSIGHT P5002A

1.2 . Communications Test Set: R&S CMW 500

1.3 . 3D Chamber Test System: 24 Probe test system

## 1. Test schematic diagram of microwave darkroom

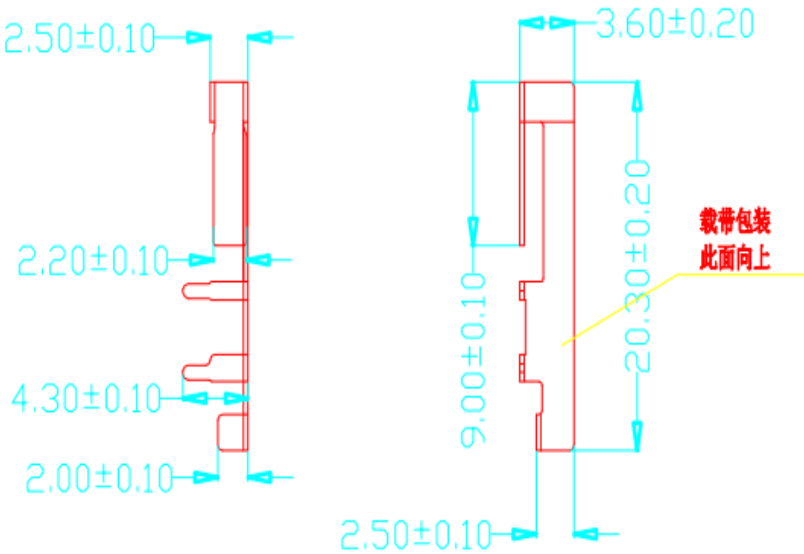


## 2. Instructions

This report summarizes the electrical performance results of the antenna for this project, including the antenna's S11 parameters, Gain and Efficiency.

Antenna size

AXZWLGW0-0G57-V10



备注:  
1. 材质:304不锈钢材料镀镍, T=0.3mm;  
2. 包装方式:载带;

产品料号		1AAXZWLGW0-0G57-00					
公差		欧智通 欧智通科技股份有限公司 FN-LINK TECHNOLOGY LIMITED					
料厚	0.01	制图	刘青	项目		版本	V1
高度	0.05	设计		型号	AXZWLGW0-0G57-V10		
外型	0.10	批准		规格			
平整度	0.10	审核		材质	不锈钢镀镍	角法	
角度	1.5°	包装	载带	图号		单位	M
					2024/01/09		

## catalogue

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1. Machine description
2. Debug data report
3. Test data



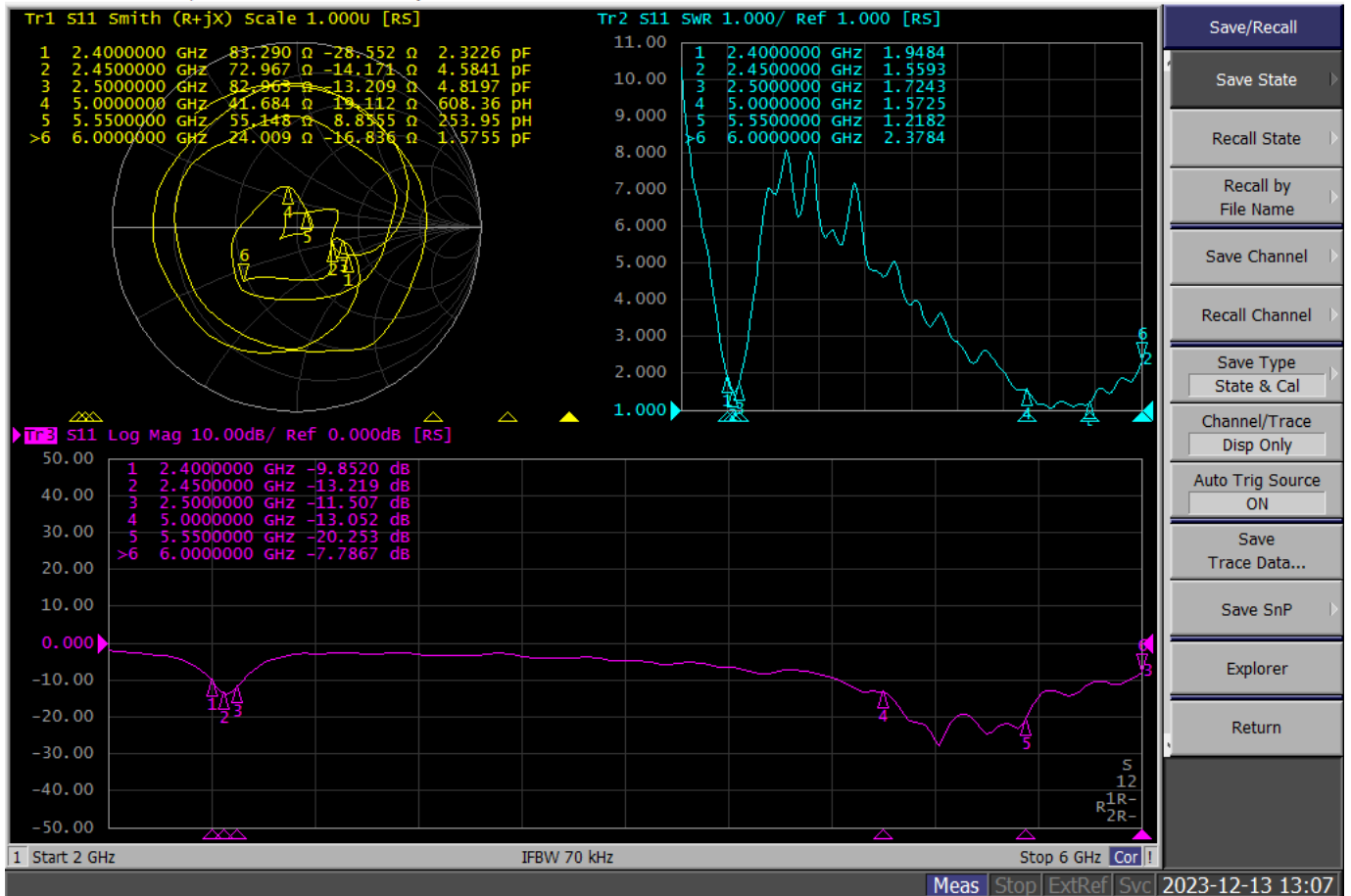


# S11

E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Resize



Freq/GHz	2400	2450	2500	5000	5500	5850
VSWR	1.9	1.5	1.7	1.5	1.2	2.3

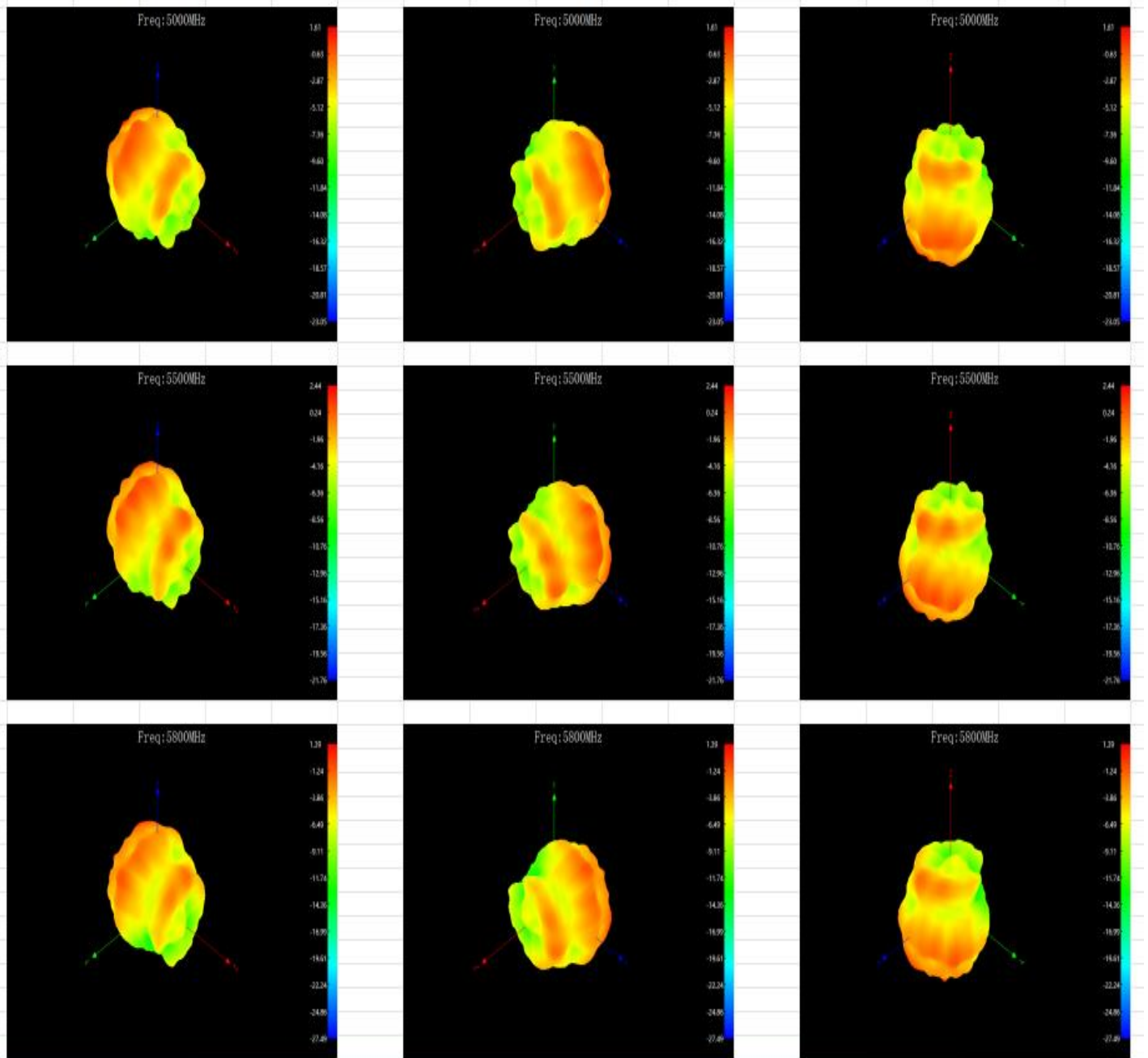


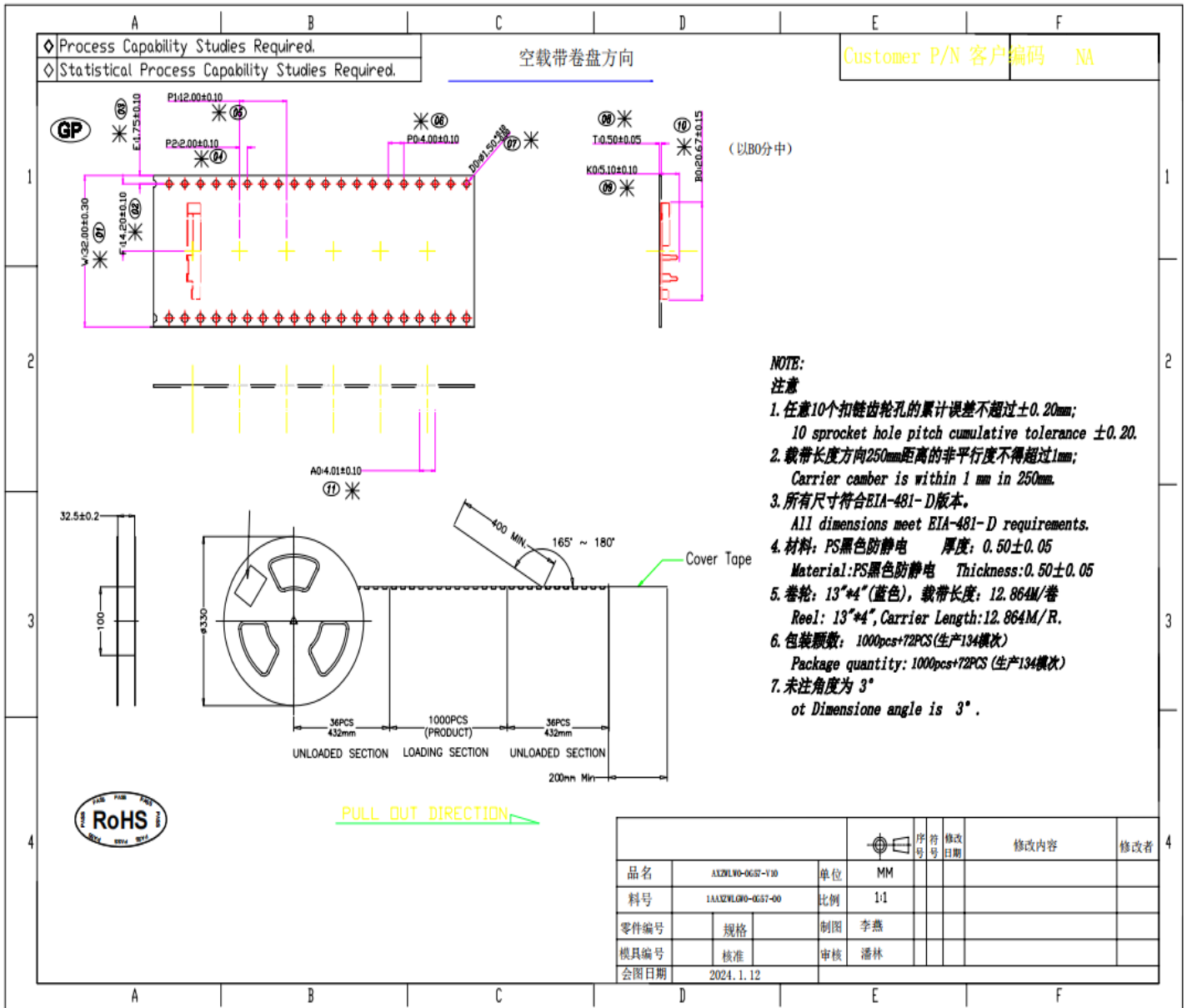
## Antenna efficiency

Frequency	MaxGain/dBi	Efficiency / %
2400	3.21	54.83
2410	3.34	57.94
2420	3.53	60.53
2430	3.43	61.09
2440	3.29	62.09
2450	3.07	62.09
2460	2.92	59.84
2470	2.99	58.21
2480	2.89	57.94
2490	2.86	55.72
2500	2.57	52.48
5000	1.61	40.36
5100	2.55	47.64
5200	1.95	44.26
5300	2.29	48.53
5400	2.8	49.77
5500	2.44	46.24
5600	1.8	43.15
5700	2.2	42.66
5800	1.39	39.45
5900	0.56	33.27



# 5G 2D/3D Gain Pattern





#### NOTE:

#### 注意

1. 任意10个扣链齿孔孔的累计误差不超过 $\pm 0.20\text{mm}$ ;  
10 sprocket hole pitch cumulative tolerance  $\pm 0.20$ .
2. 载带长度方向250mm距离的非平行度不得超过1mm;  
Carrier camber is within 1 mm in 250mm.
3. 所有尺寸符合EIA-481-D版本。  
All dimensions meet EIA-481-D requirements.
4. 材料: PS黑色防静电 厚度:  $0.50 \pm 0.05$   
Material: PS黑色防静电 Thickness:  $0.50 \pm 0.05$
5. 卷轮: 13"×4" (蓝色), 载带长度: 12.864M/卷  
Reel: 13"×4", Carrier Length: 12.864M/R.
6. 包装数量: 1000pcs+72PCS (生产134批次)  
Package quantity: 1000pcs+72PCS (生产134批次)
7. 未注角度为  $3^\circ$   
ot Dimensione angle is  $3^\circ$ .

品名	AXZWL0-0657-V10	单位	MM	序号	修改日期	修改内容	修改者
料号	1AXZWL00-0657-00	比例	1:1				
零件编号	规格	制图	李燕				
模具编号	核准	审核	潘林				
会图日期	2024.1.12						