

Sample acknowledgement letter F back to SCAM

Specifications and models	JZ301-1				
Brand			Sample delivery date	2019/12/03	
Sample No. (Material No.)	303305000056		Supplier Material Number		
Number of samples	10	PCS/ 1	MPQ		
Type of supplier	-Production type-Agency type-Trade type-Others				
Supplier Name:	Shenzhen Ruicai Electronic Technology Co., Ltd				
Address:	North Wing, 5th Floor, Building 1, Weixin Software Science and Technology Park, No. 9 Gaoxin South Jiu Road, South District, Nanshan District Science and Technology Park, Shenzhen				
Business Contacts:	Zhou Zhaojie	Phone:	13430459789	Email:	zhouzhaojie@reecam.net
Technical support:	Liu Qianhong	Phone:	13902465062	Email:	liuqianhong@126.com
Check:	Quality warranty:		Engineering:		
Remarks: The above information shall be filled in by the supplier Please provide some samples when sending samples. Paper file recognizes the cover and specification sheet in duplicate, and electronic file specification sheet (mail form) Please fill in the above carefully, please provide the information correctly, otherwise it will be rejected!!!					
(The following contents shall be filled out by FOSCAM sample signing personnel)					
Applicable machines					
First sample delivery					
Date of sample delivery:		Acknowledged by 1:		Date of acknowledgment:	
		Acknowledged by 2:			
Result	-Qualified-Failed-Other remarks:				
Opinion	-Small batch trial production	-Qualified-Failed Remarks:			
	-Medium batch trial production	-Qualified-Failed Remarks:			
Second sample delivery					
Date of sample		Acknowledged by 1:		Date of acknowledgment:	

delivery:		Acknowledged by 2:	ment:	
Result	-Qualified-Failed-Other remarks:			
Opinion	-Small batch trial production	-Qualified-Failed Remarks:		
	-Medium batch trial production	-Qualified-Failed Remarks:		
Product number			Recognition chapter	
Description				

Sample acknowledgement

SPECIFICATION OF APPROVAL

Client

CUSTOMER: Foscom

Product name

DESCRIPTION: 2.4 G outlet type glue stick antenna

(white) Product name No.

PART NO: JZ301-1

Internal sign-off (SIGNATURE)

Approve	Engineering	Quality Assurance
2019 年 (YEAR) December (MONTH) 03 日 (DAY)		

CUSTOMER APPROVAL

Validation Results	Engineering	Quality Assurance
☐ Qualified ☐ Failure to qualify		
2019 (YEAR) month (MONTH) 日 (DAY)		

Document Revision Record

[illegible]

5DB antenna PROJECT	1
ANTENNA COMPONENTST	1
1 TECHNICAL SUMMARY	3
2 GENERAL DESCRIPTION	3
2.1 Components/Part revisions	3
3 MECHANICAL DESCRIPTI ON	3
4 ELECTRICALPERFORMANCE	3
4.1 Set-up	3
4.1. 1 VSWR	3
4.1. 2 Gain & Radiation Patterns	3
4.1. 3 Matching Circuit Description	3
4.2 Measurement Data	4
4.2. 1 Active result (GSM)	4
6 Mechanical drawing	5
7 RELIABILITY TESTS	9
7.1 Test content	9
7.2 Test results	9

1 Technical Summary

This report summarizes the electrical results of the proposed antenna to support the **5DB antenna program. We test the antenna with the latest version handset. And it seems to be acceptable.**

2 General Description

2.1 Components/Part revisions

VSWR: Voltage Standing Wave Rate.

3 Mechanical Description

4 Electrical Performance

4.1 Set-up

4.1.1 VSWR

VSWR measurements (S_{11}) were performed using an Agilent 8753D Network Analyzer and the previously described test fixture. Coaxial chokes were used to mitigate surface currents on the outside of the cabling. The testing was performed in freespace.

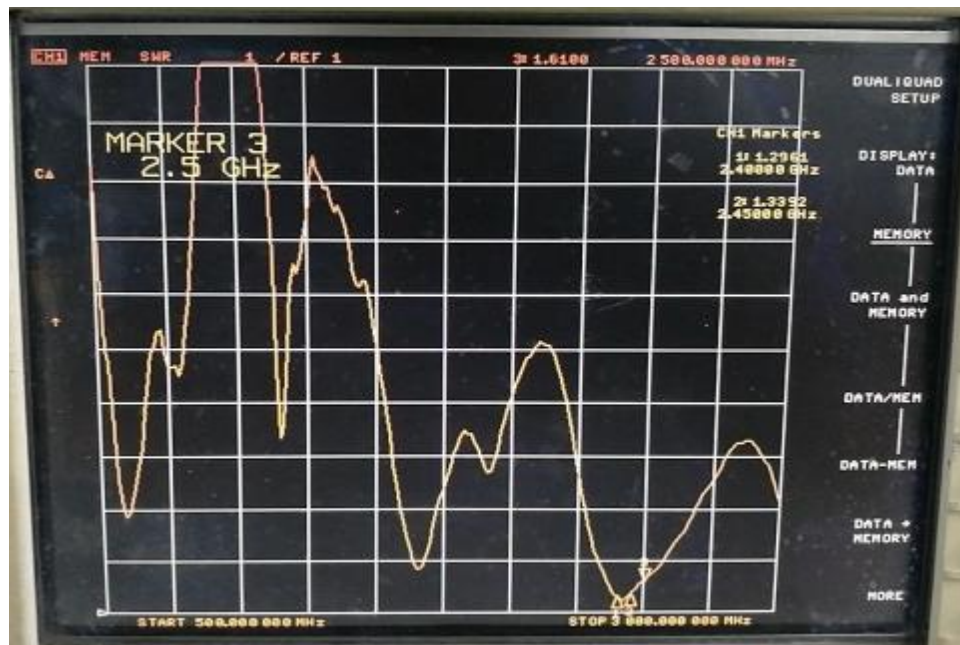
4.1.2 Gain & Radiation Patterns

The gain of the antenna was measured in the Lxcs anechoic chamber. Coaxial chokes on the feed cable were used to mitigate surface currents. The chamber provides less than -30dB reflectivity from 800 MHz through 3 GHz and an 18" diameter spherical quiet zone. The measurement results are calibrated using both dipole and leaky wave horn standards.

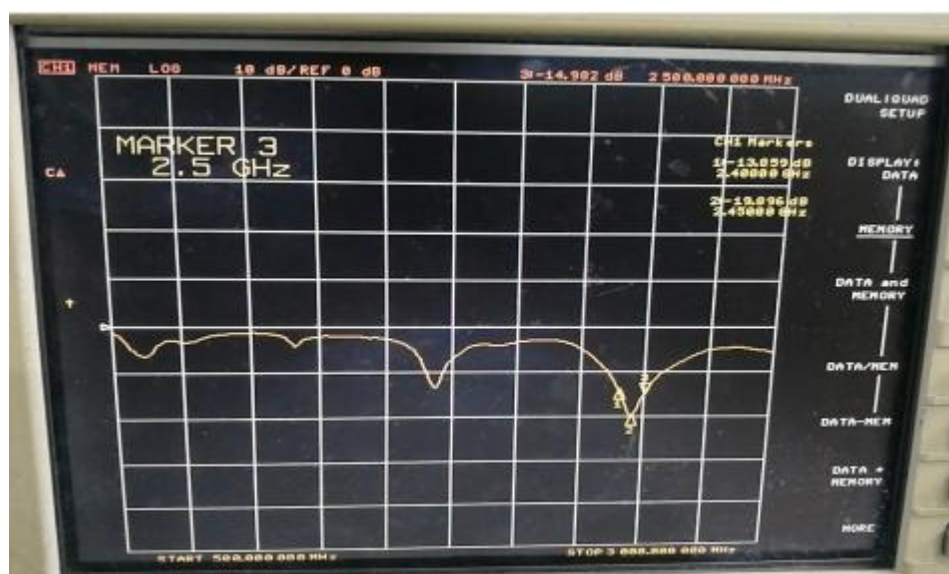
4.1.3 Matching Circuit Description

4.2 Measurement Data

4.2. 1 Active result (WIFI)

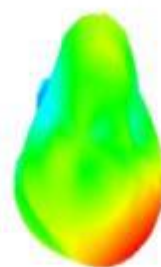


2.4 GHz

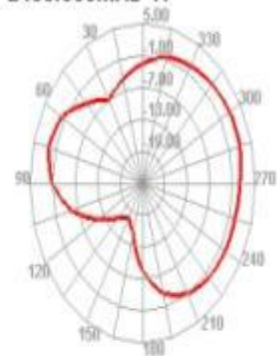


Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	77.8	-1.09	4.51
2410	74.5	-1.28	4.26
2420	70.05	-1.55	4.13
2430	70.4	-1.52	4.01
2440	73.89	-1.31	4.29
2450	79.73	-0.98	4.61
2460	80.31	-0.95	4.77
2470	79.96	-0.97	4.48
2480	82.46	-0.84	4.41
2490	82.85	-0.82	4.32
2500	77.69	-1.1	4.18

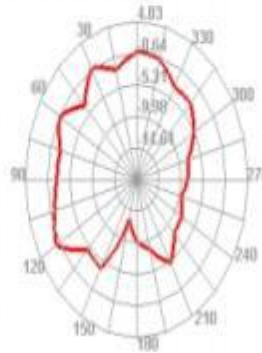
2400.000MHz



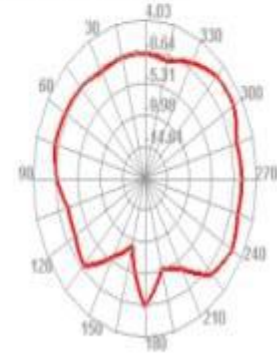
2400.000MHz H



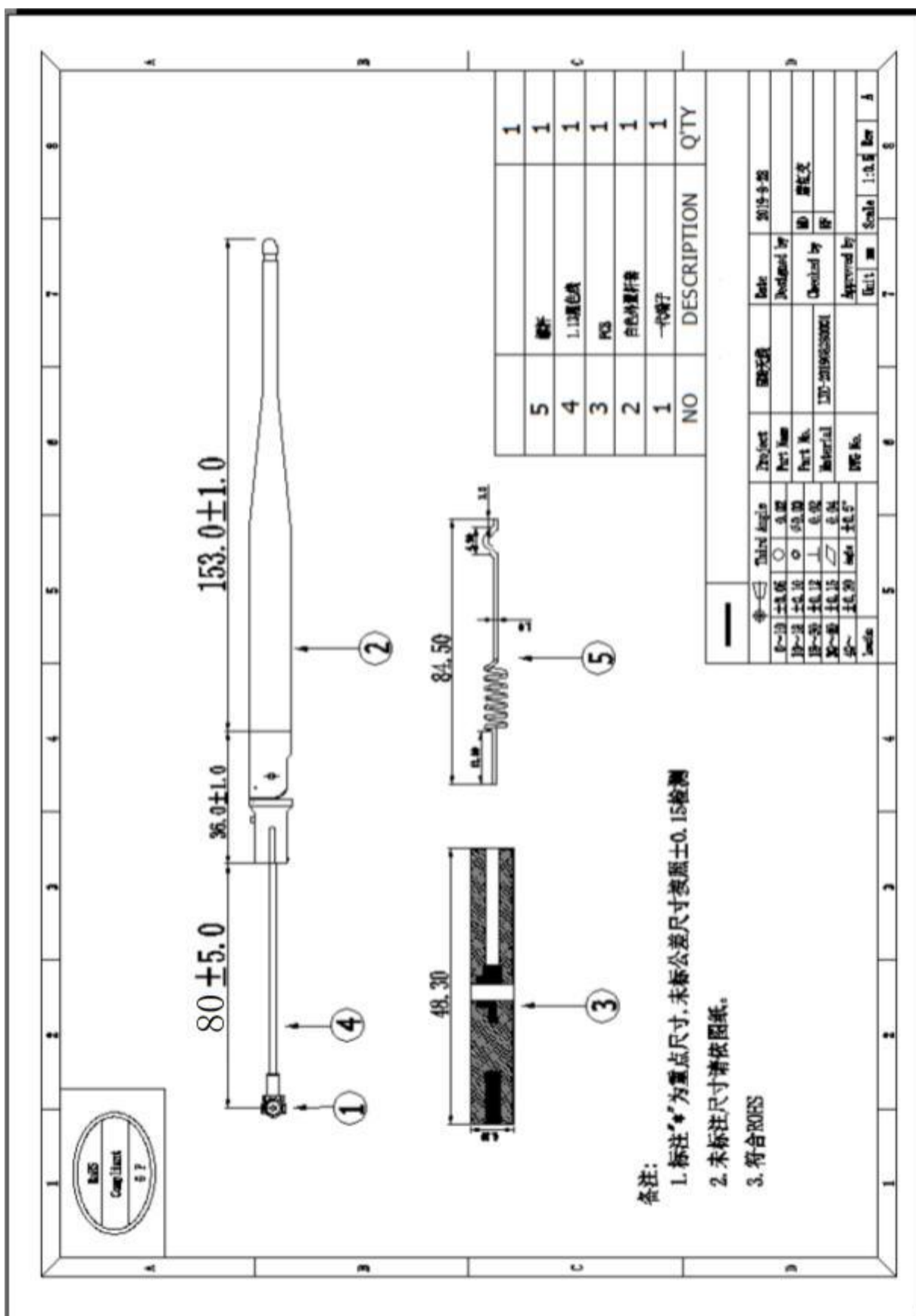
2400.000MHz E1



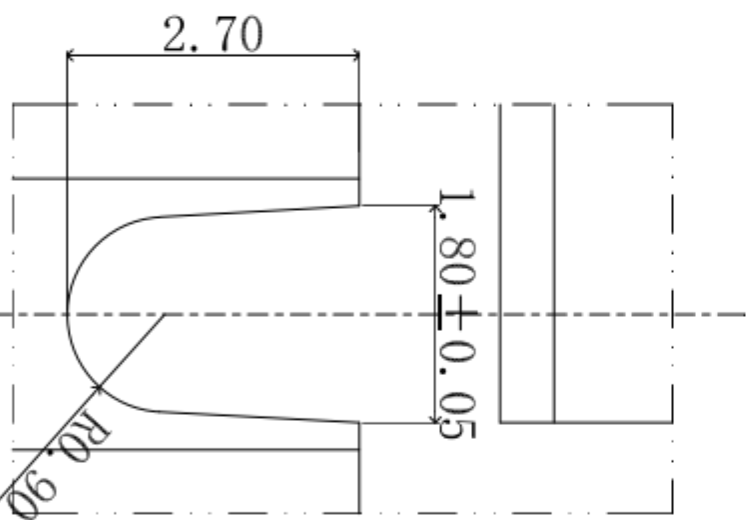
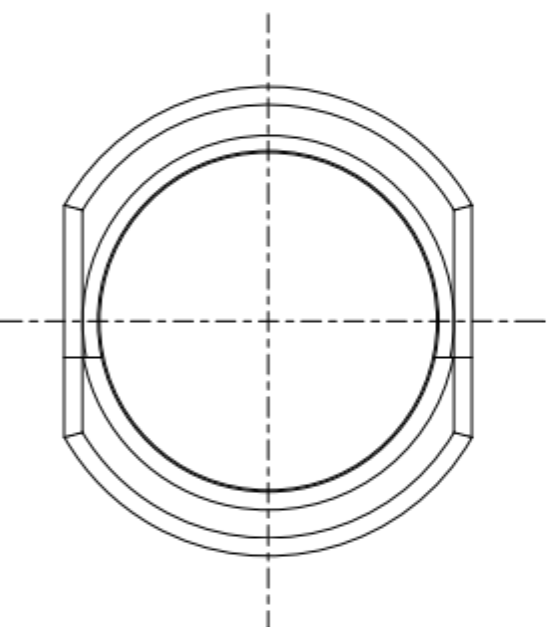
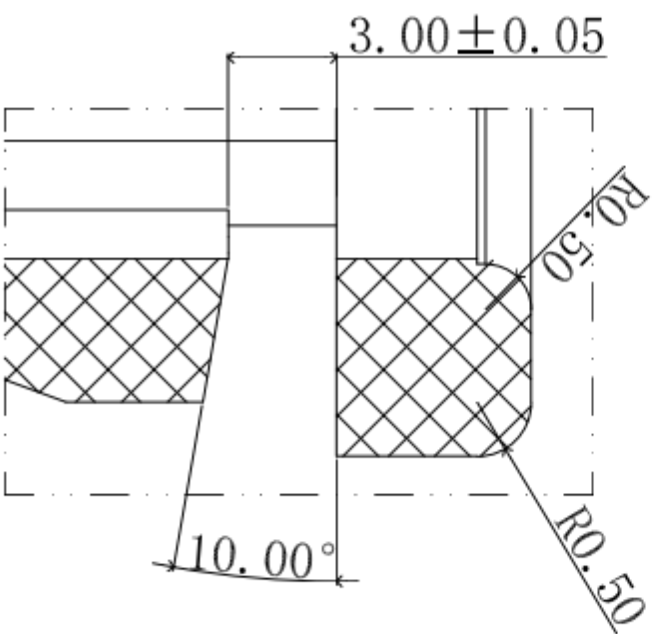
2400.000MHz E2



6 Mechanical drawing



版本	日期	设变内容	修理内容	设计担当	确认



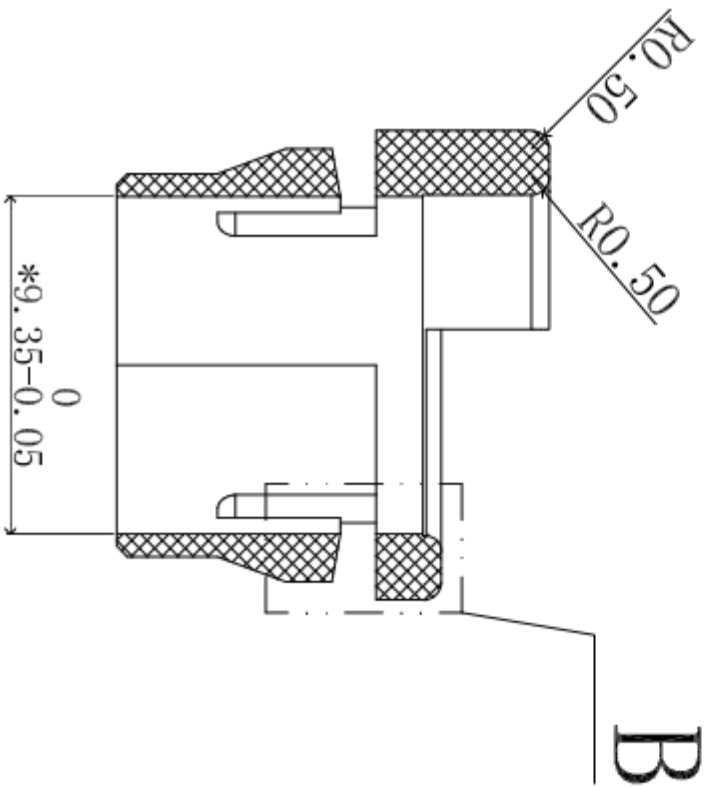
B
3:1

B

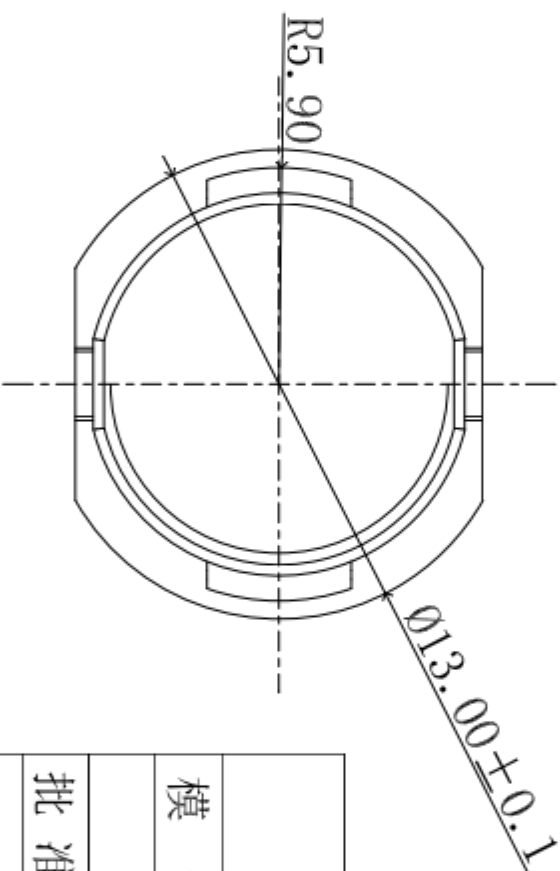
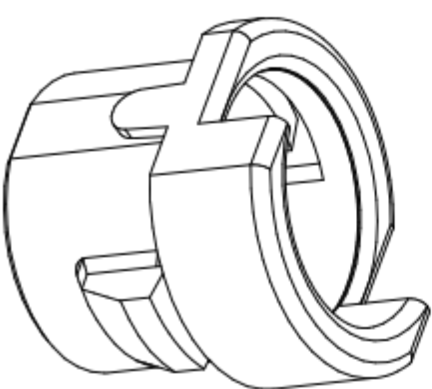
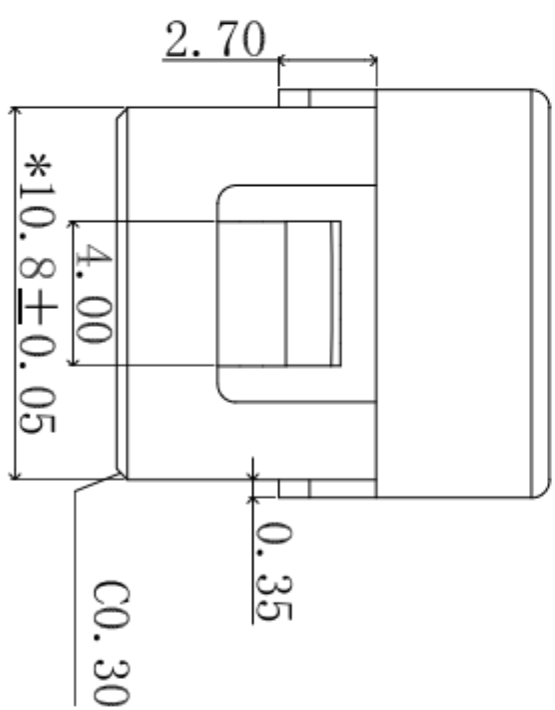
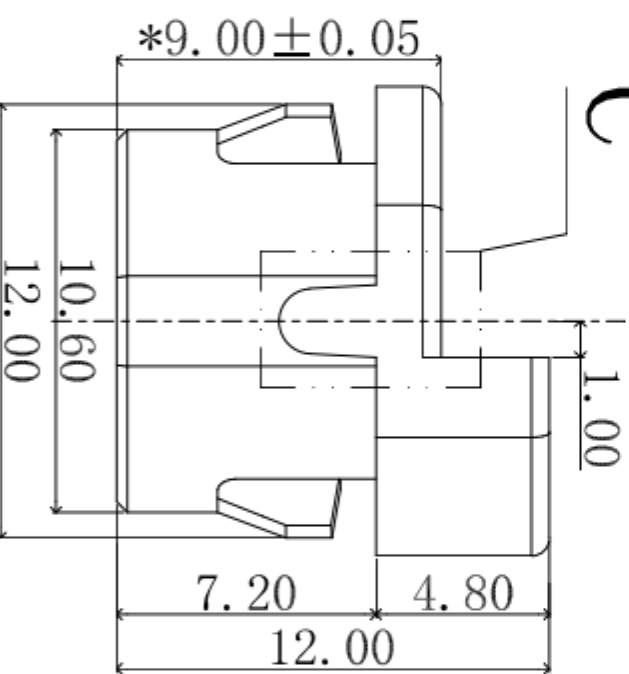
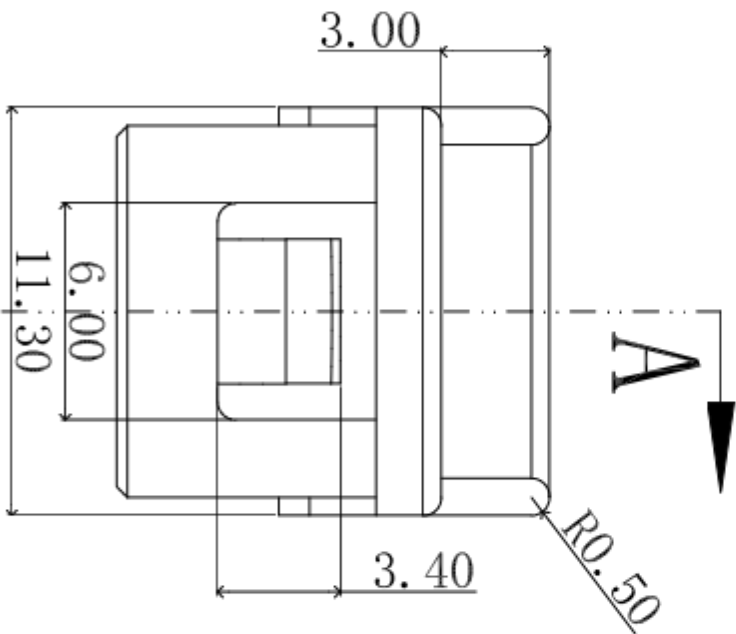
A

C

C
3:1



SECTION A-A



模号		1201-0115		客户	材料
批准		审核	设计	品名	缩水
				品番	机台
				比例	视角
				fit 单位	共 页, 第 页
				mm	

7Reliability tests

7.1 Test content

No	Pilot items	Test Method	Judgment criteria
1	Brine Spray Test	Spray a solution with a salt concentration of 5% for 48HR	There should be no discoloration, crooked (deformation) shedding, etc. The corrosion area should not be too large

7.2 Test results

NO	Number of samples	During the test	Experimental results	Remark
1	50	24 hours	OK	Technical rating is Class 9 corrosion < 0.4 mm
2	50	48 hours	OK	Technical rating is Class 9 corrosion < 0.4 mm