



Shenzhen yuhong industry co., ltd

Part specification

Customer name:	Dolphin Communication (Dongguan) Co., Ltd
Product Model:	TA201
Risuntek P/N:	Y2000923
Version:	A
Prodcut Name:	LDS Antenna
Description:	Schabik stent+LDs
date:	2023/4/4

(Customer Signatures)

(PM)	(ME)	(QE)

(Inner Signatures)

(QE)	(ME)	(RF)

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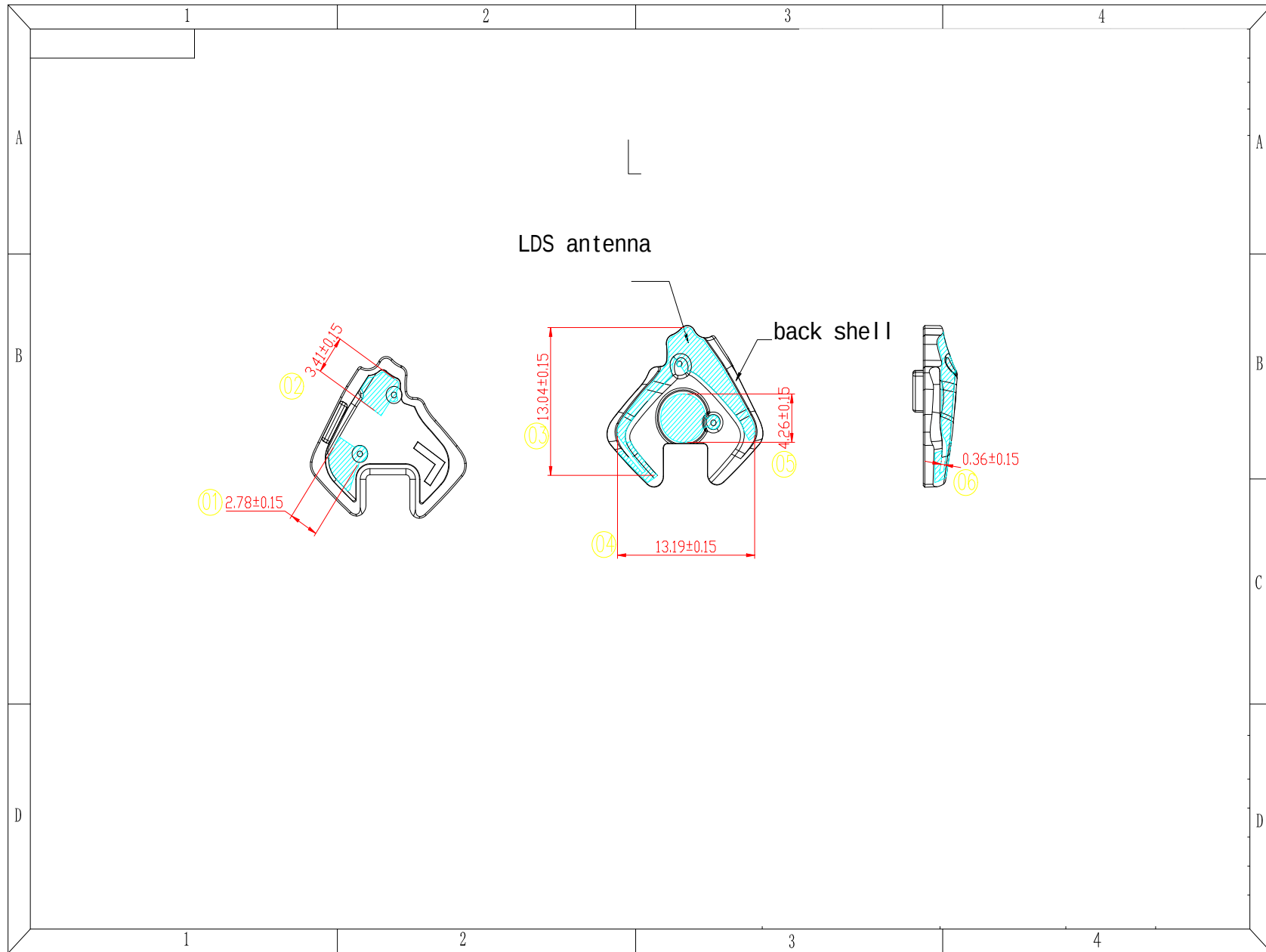
catalogue

- 1、 resume
- 2、 Product drawings
- 3、 Description of electrical and mechanical properties

1、Prepare/revise the change resume

version	Revision page	Change time	Changer	Reason and content of change	remarks
A0	—	2023/4/4	Zhang Qinghua	First edition antenna form	
A1					
A2					
A3					
A4					
A5					
A6					

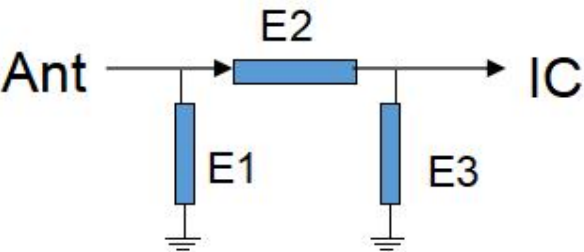
二、Product drawings



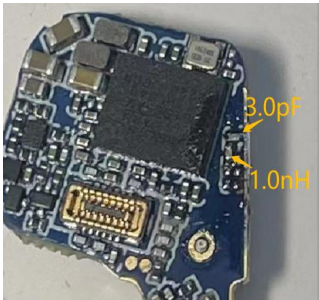
3、 Description of electrical and mechanical properties

1、 Matching circuit diagram

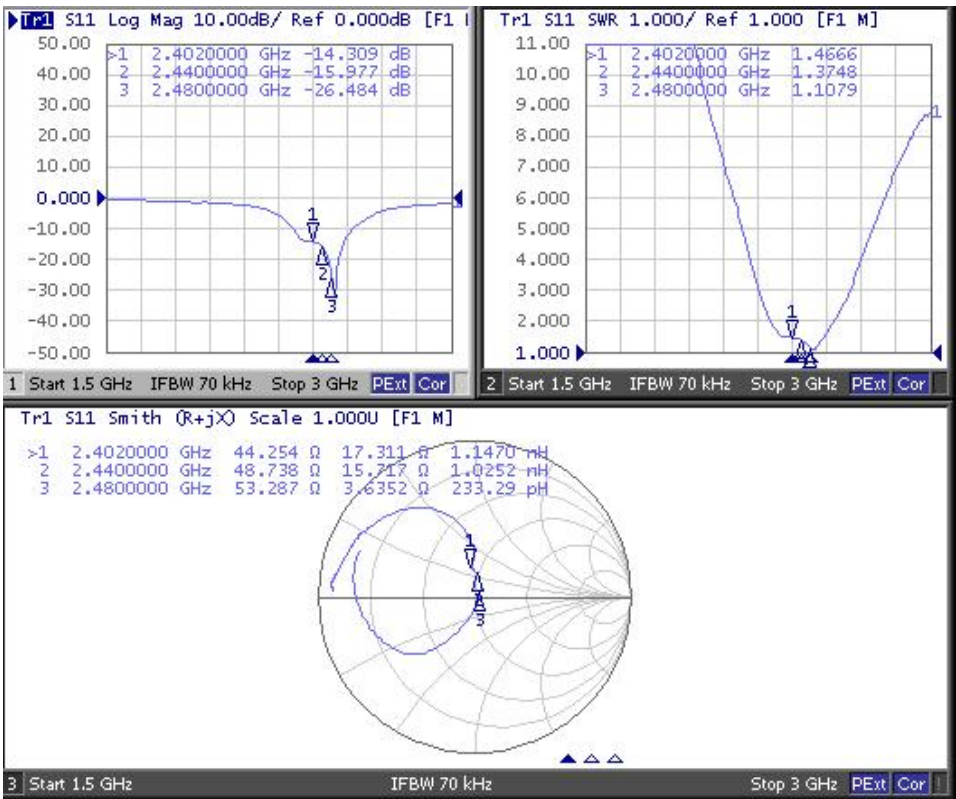
Description of antenna matching circuit



Element	Value
E1	NC
E2	1.0nH
E3	3.0PF



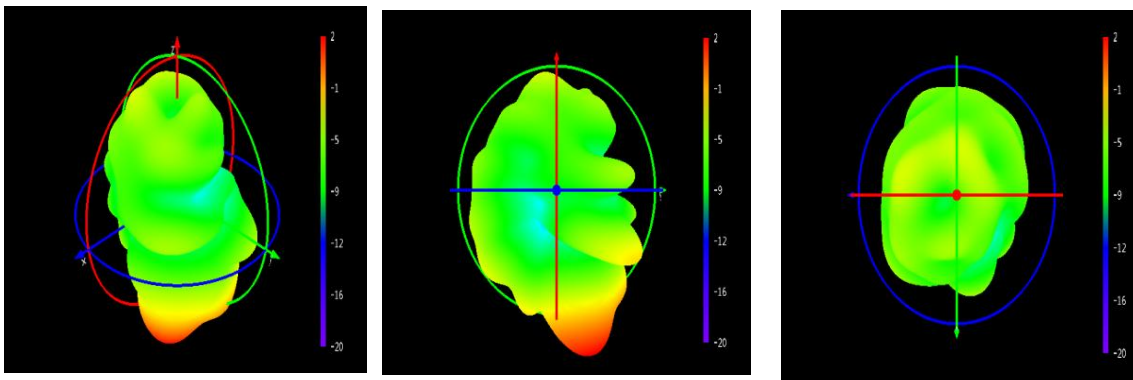
2、 S11parameter



3、Passive efficiency

frequency pointMHz	free space		Head mold	
	gain(dBi)	efficiency (dB)	gain(dBi)	efficiency (dB)
2400	0.36	-5.61	-2.36	-10.26
2410	0.39	-5.71	-2.74	-10.37
2420	0.35	-5.86	-2.56	-10.59
2430	0.27	-6.03	-2.25	-10.11
2440	0.14	-6.2	-2.84	-9.56
2450	0.36	-6.29	-2.36	-9.37
2460	0.51	-6.34	-2.49	-9.14
2470	0.49	-6.37	-2.74	-9.52
2480	0.14	-6.39	-2.16	-10.47
2490	0.38	-6.43	-2.42	-10.09
2500	0.17	-6.52	-2.96	-10.24

4、Gain diagram



5、Active OTA data

L	channel	TRP (dbm)	TRP (dBm)
free space	0	2.2	-88.4
	39	2.0	-88.2
	78	2.3	-88.5
L	channel	TRP (dbm)	TRP (dBm)
Head mold	0	-5.6	-82.7
	39	-5.5	-82.4
	78	-5.6	-82.4