

	Date	2024.6.12	Version No	V1.0
	Subject	YAA003R198-WPC+NFC		

Approval Sheet

Customer	万创
Customer Project No.	YAA003R198-WPC+NFC ANT
Deman Project No.	F1579
Deman Part No.	

Deman	RF	ID	PE	QE	PM

Customer	ID	RD	QE	PM

Date : 2024.6.12

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Catalogue

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	Date	2024.3.15	Version No	V1.0
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1. Specification

1.1 General Standard

General Specification	
Model name	YAA003R198-WPC+NFCANT
Antenna type	WPC+NFC

1.2 Packing, Shipping, Handling

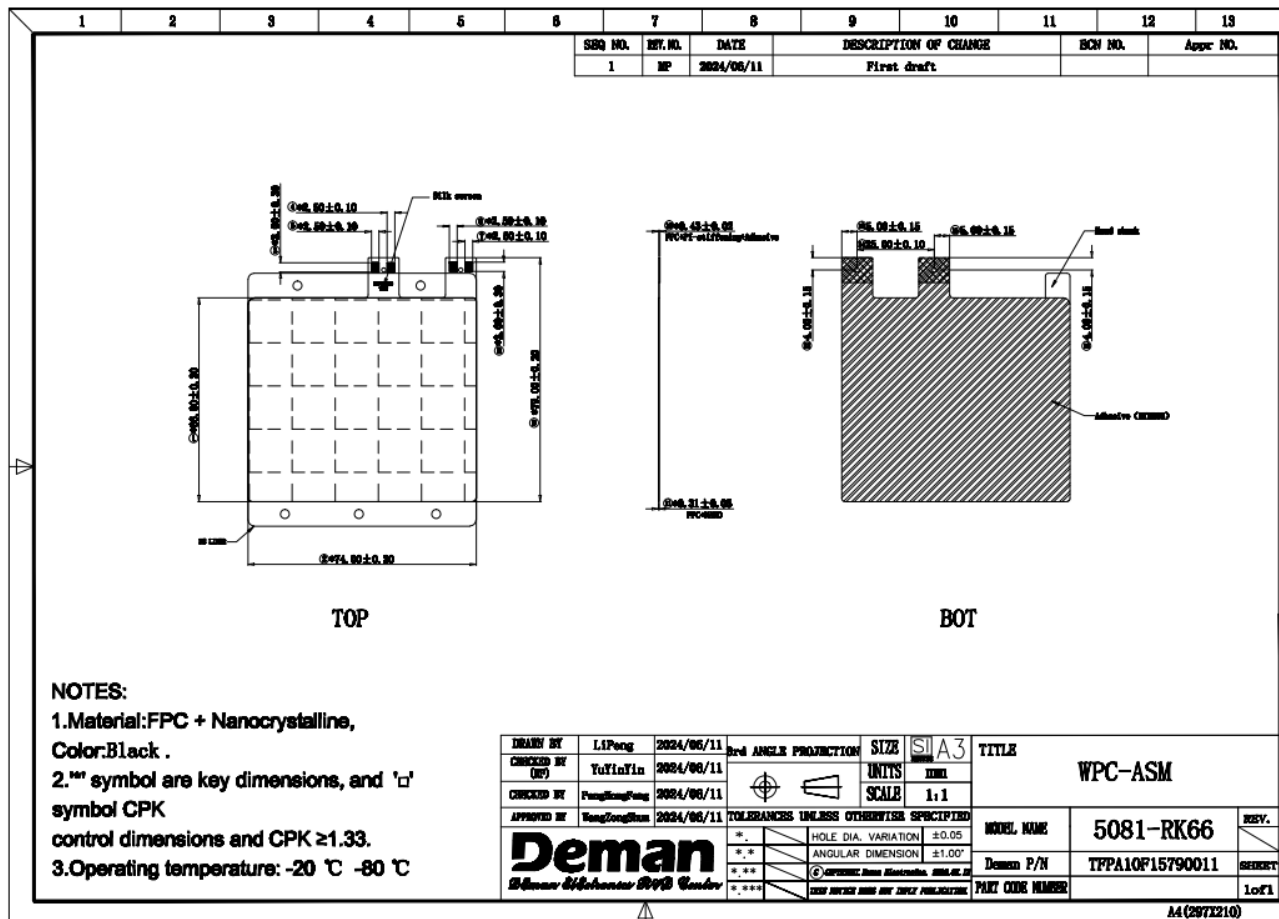
1.2.1 Exterior Option

1. The names of the customers and manufacturers should be indicated.

1.2.2 Packing

1. The products should be carefully packed, in order to avoid collision and vibration in transit.
2. The Packing material should be a paper box, and this type of carton cannot damage the products in the box.

2、Antenna drawing



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3、FAI

F-042-005-20		Full size inspection report							
Product model		F1579		Product batch number		\			
date of observation		2024/5/21		Sample size for testing		5			
Testing equipment		projector		Tested by					
NO.	Standard size	Positive toleranc	Negative toleranc	Actual measured value					determine
1	66	0.2	0.2	66.07	66.11	66.09	66.03	66.12	OK
2	74	0.2	0.2	73.95	74.03	74.01	74.02	74.03	OK
3	3	0.3	0.3	3.11	3.16	3.22	3.12	3.15	OK
4	2.5	0.1	0.1	2.55	2.54	2.56	2.54	2.55	OK
5	2.5	0.1	0.1	2.56	2.54	2.55	2.55	2.54	OK
6	2.5	0.1	0.1	2.55	2.55	2.55	2.54	2.56	OK
7	2.5	0.1	0.1	2.55	2.54	2.55	2.55	2.57	OK
8	3	0.3	0.3	3.22	3.12	3.15	3.11	3.16	OK
9	79	0.2	0.2	79.11	79.08	79.07	79.12	79.13	OK
10	0.43	0.02	0.02	0.43	0.44	0.43	0.44	0.44	OK
11	0.31	0.05	0.05	0.33	0.34	0.33	0.32	0.33	OK
12	4	0.15	0.15	4.11	4.12	4.09	4.14	4.05	OK
13	5	0.15	0.15	4.09	4.14	4.05	4.11	4.12	OK
14	25	0.1	0.1	25.05	25.01	25.03	25.04	25.07	OK
15	5	0.15	0.15	5.11	5.12	5.07	5.06	5.05	OK
16	4	0.15	0.15	4.11	4.09	4.05	4.11	4.12	OK

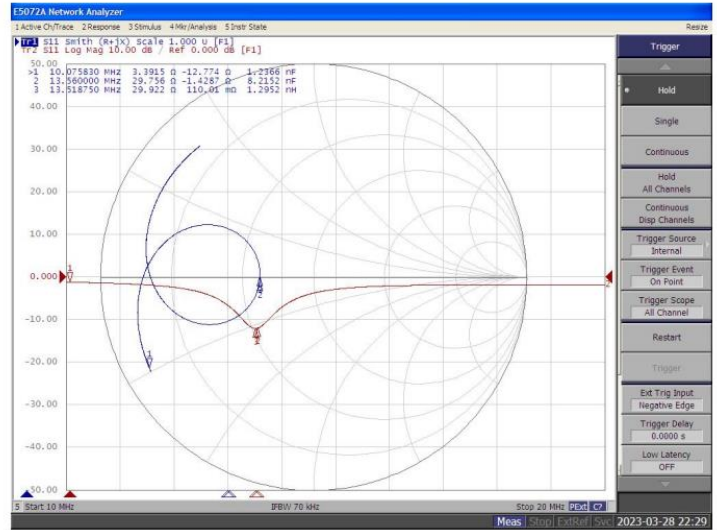
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4、Packaging specifications

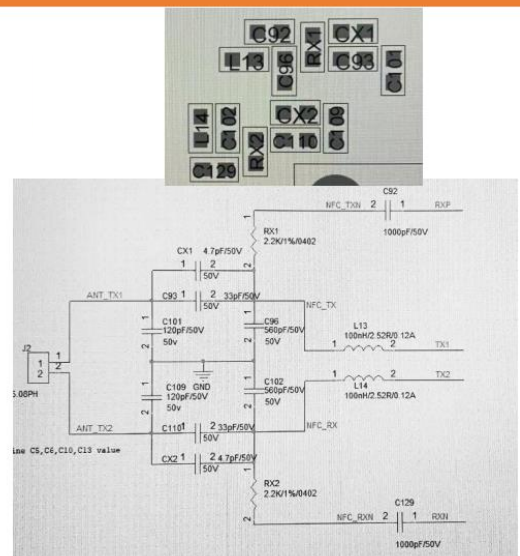
1.plastic containers of Picture or 2D drawing	2.Vacuum Thermoform packing of Picture or 2D drawing	Part Number.	YAA003R198-WPC+NFC ANT
 50 pcs/bag	 400 pcs/box	Part Name	
3.Unit Load of Picture or 2D drawing	4.Primary Packaging(Exterior) of Picture or 2D draw	Product Version	
 2000 pcs/box		Packing type	
5.Labeling of Picture or 2D drawing	6.Container number label	Note: Actual packing prevails in each case. Pe bag: Pe bag size(mm): 122*81*0.07mm Quantity per Unit Load:1pcs bag; bagging: bagging point ons(mm): 122*81*0.07mm Quantity per Unit Load:50pcs Transparent box: Transparent box ons(mm):: 250*185*33mm Layers per Unit Load:400pcs Cartons: Cartons Dimensions(mm): 40*28*20cm (Quantity per Unit Cartons: 2000pcs	
			

5、Electrical performance

$Z_{load}@13.56\text{MHz}=29.7\Omega$



元器件	调试值	型号
L0	L13/L14	160nH 修改
C0	C96/C102	680pF GRM1555C1H681GA01D
Cs	CX1/CX2	NC 修改
	C93/C110	120pF GRM1555C1H121GA01D
Cp	C101/C109	100pF GRM1555C1H101GA01D
Rx	C92/C129	1000pF 未修改
	Rx1/Rx2	2.2kΩ 未修改



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R/W mode distance vs. Tag 1/2/3/4	Tag 1 (Topaz)	55 mm	Card mode distance vs. POS Vivo 4800	170 mm (switch on)
	Tag 2 (Ultralight)	60 mm		
	Tag 3 (Felica)	42 mm		
	Tag 4 (Desfire)	34 mm		



Tag1 (Topaz-512)



Tag 2 (Ultralight)



Tag3 (Sony-Felica)



Tag 4 (Desfire)