



## 物料承认书

### APPROVAL SHEET

项目	M150				
料号	QK1027200296				
供应商名称	上海移远通信科技股份有限公司				
物料规格	YYW00A8BA				
物料描述	M150 RFID ANT L=300uH±2 Q=10~12.5 &100×Ø19.5*600mm and magnetic core Ro				
送样日期	2022. 12. 16				
主要性能 <input type="checkbox"/>	图纸 <input checked="" type="checkbox"/>	测量报告 <input type="checkbox"/>	关键材质 <input type="checkbox"/>	可靠性报告 <input type="checkbox"/>	包装信息 <input type="checkbox"/>
审核	研发部	项目部	采购部	质量部	

# Antenna

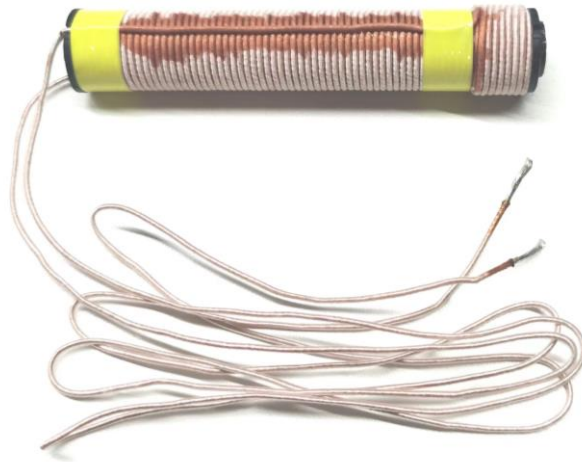
## YYW00A8BA Datasheet

### Antenna Services

Version: 1.0

Date: 2022-12-16

Status: Released



	Manufacturer Signature
Checked By	
Approver By	
Date	

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**Or our local offices. For more information, please visit:**

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# About the Document

## Revision History

Version	Date	Author	Note
-	2022-12-16	Shea LI /Mary LI	Creation of the document
1.0	2022-12-16	Shea LI /Mary LI	First official release

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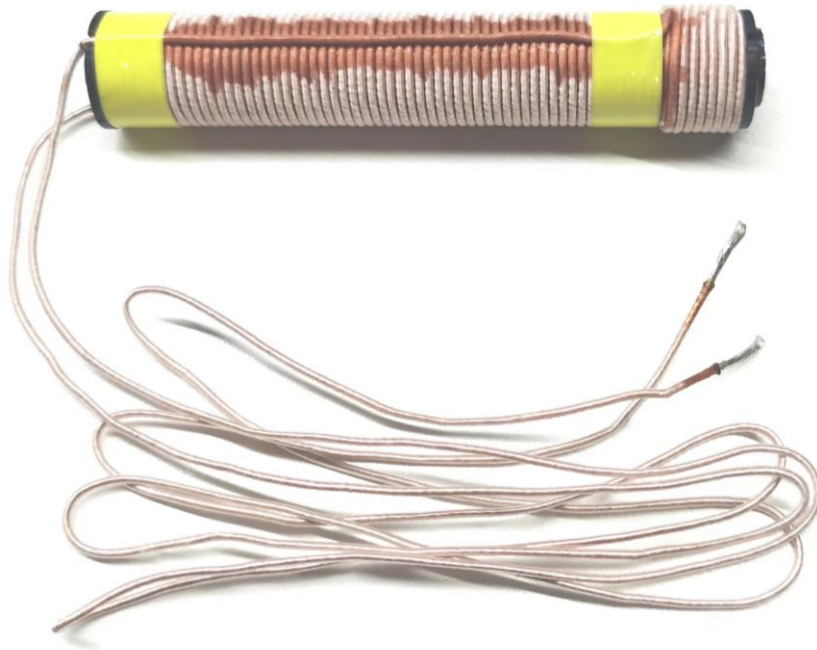
## 1 Product Description

The antenna is designed for superior performance, and can be widely used for wireless applications.

We provide comprehensive antenna design support such as simulation, testing and manufacturing for custom antenna solutions to meet your specific application needs.

## 2 Product Features

- Inductance coil
- High efficiency
- Excellent performance



### 3 Product Specifications

#### Passive Electrical Specifications

Inductance value	L=300uH±2
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Q price	10~12.5
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#### Mechanical Specifications

Antenna Size(mm)	100× Ø19.5
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Cable Type	Ø0.06*200P Stranded wire (2X)
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Cable Length	600mm
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Working Temperature	-20 °C to +85°C
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Weight	Typical 29.9g
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Plastic Material	ABS+PC (Black)
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## 4 Overall Performance

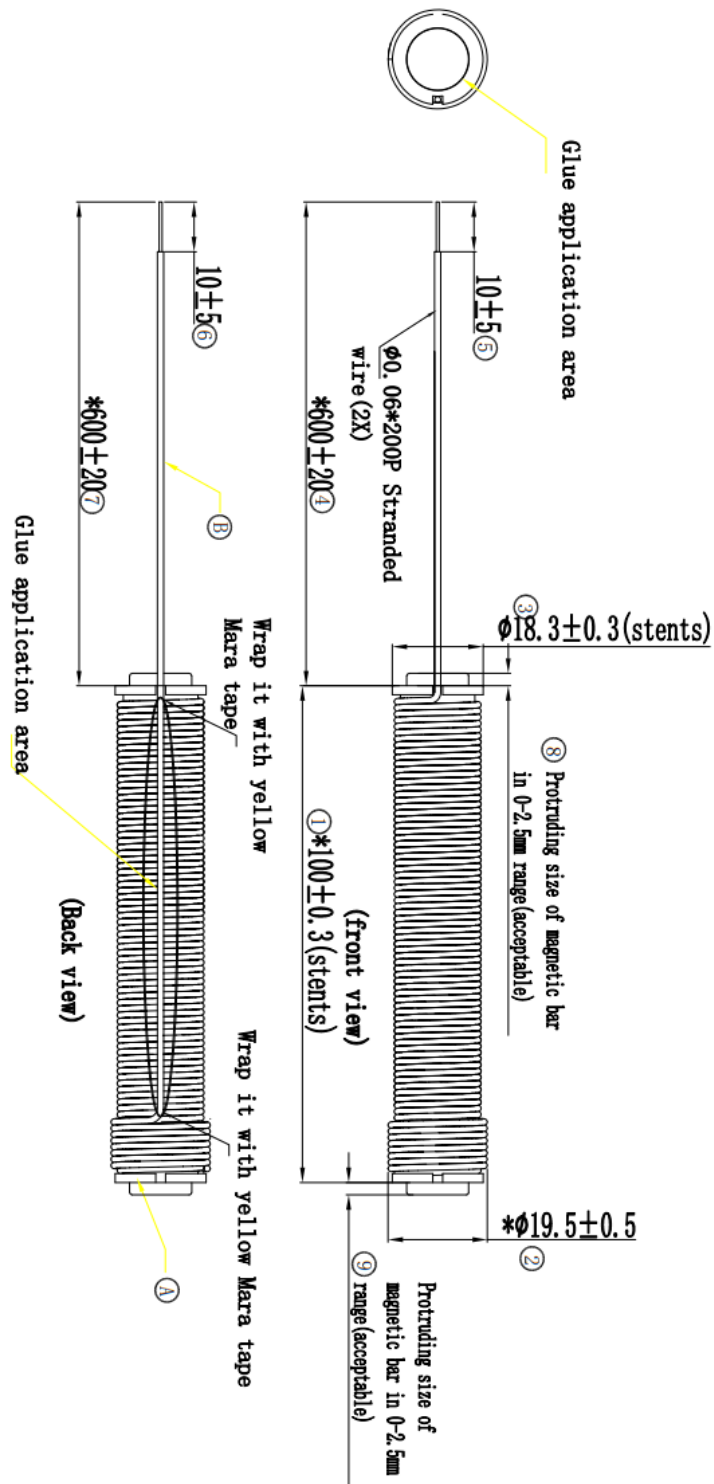
### 4.1. Test data

Test frequency: 1KHZ/0.3V

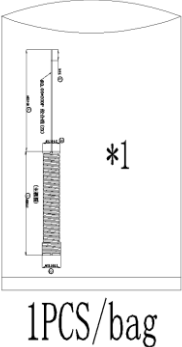
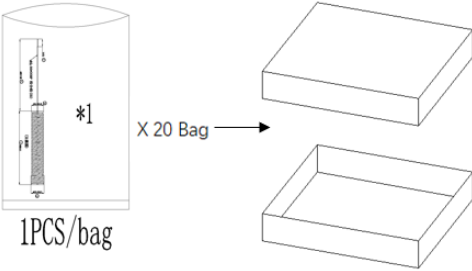
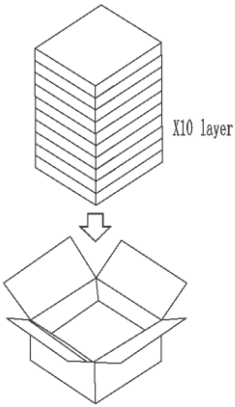


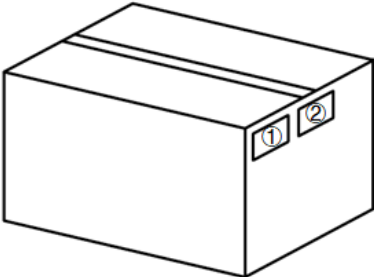
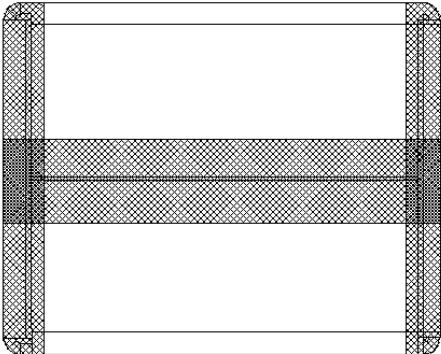
## 5 Product Size

ROHS

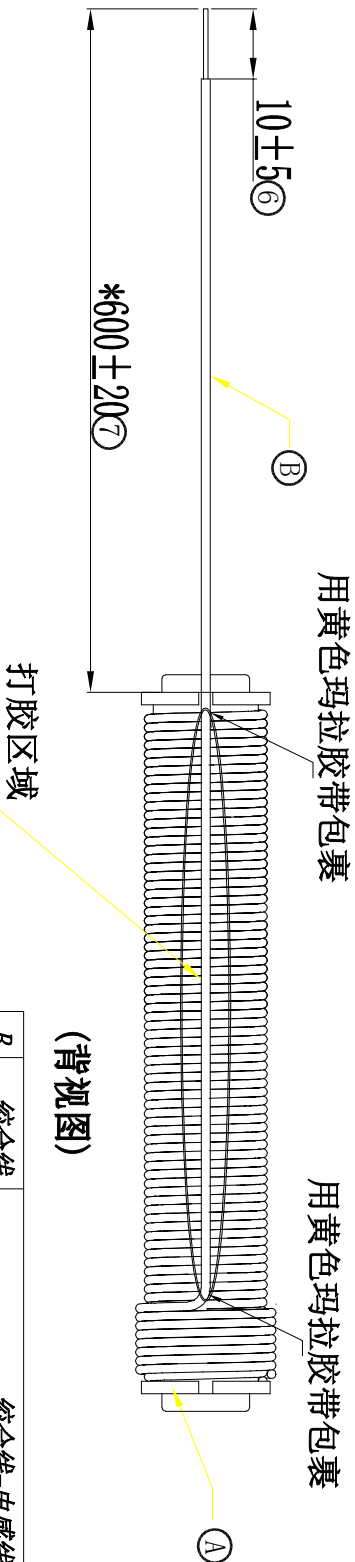
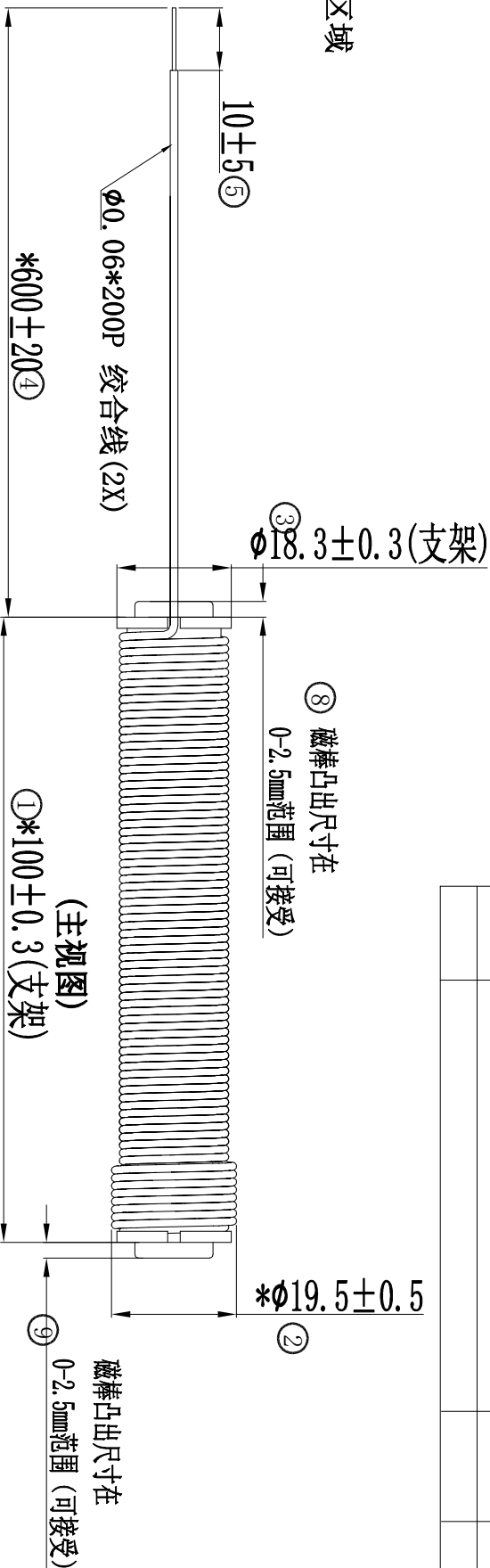


## 6 Packing

Step	Packaging picture / 2D picture	Description
1		<p>1pcs Antenna products in a small Bubble bag; (1pcs Antenna / Per Bubble bag)</p> <p>Bubble bag Size: <u>L*W=140X80mm</u></p>
2		<p>20pcs Antenna products in a small box (20pcs Antenna / Per small box)</p> <p><u>small box Size: L*W= 270*210*25mm</u></p>
3		<p>10 small box / Per Carton Box) (200pcs Antenna / Per Carton Box)</p> <p><u>Carton Size:L*W*H=280*235*290mm</u></p>

4		<p>Position for Attaching Labels---</p> <p>① Carton Label</p> <p>② Quality Label</p>
5		<p>Sealing Cartons---</p> <p>“⊥” type sealing cartons</p>

打胶区域



B	绞合线	绞合线-电感线圈	
A	支架	线圈支架-电感线圈	
No.	Name	DESCRIPTION	Quantity

QUECTEL®  
Build a Smarter World

上海移远通信技术股份有限公司

Part Name: YW00A8B4\_L\_R1

- Notes:
- 带\*为重点管控尺寸;
  - 同轴线:  $\phi 0.06 * 200P$  绞合线;
  - 工作温度: 温度  $-20^{\circ}\text{C} \sim +85^{\circ}\text{C}$
  - 成品焊接后100%电桥测试;
  - 产品符合ROHS2.0标准。

Tolerance				Part No.:			REV
0-10	$\pm 0.05$	DRAWN	shea				XI
10-30	$\pm 0.10$	CHKD					
30-80	$\pm 0.15$	APPD	kenny				
$\geq 80$	$\pm 0.20$	DATE	2022.12.16	Third	Unit	Size	Scale
Angle	$\pm 1^{\circ}$			$\varnothing$	mm	A4	1:1



# Quectel Wireless Solutions Co.,Ltd.

## Inspection Report : First Article/ Vendor Sample Evaluation

Part Name: YYW00A8BA Part No.: QK1027200296 Mold No.: \_\_\_\_\_ Material Type: Ferrite + cu Rev NO.: \_\_\_\_\_  
☐ Custo ☒ Suppl \_\_\_\_\_ Project Name: M150 Color: Black Sub. No. 1 Page: 1 of 1

### Dimensional Inspection

No.	Specification					Shot No.	To be filled by Amphenol										Disposition			Remark
	Print Zone	Sign	Nominal	+	-		01 PATTERN RF Golden (After cutting)	01 PATTERN	1#	2#	3#	4#	5#	6#	EQPT	Acc	Con. Acc	Rej		
1		*	100.00	0.30	0.30				100.01	100.05	100.04	100.06	100.10		OMM	√				
2		*	19.50	0.50	0.50				19.43	19.45	19.52	19.52	19.48		OMM	√				
3			18.30	0.30	0.30				18.40	18.32	18.36	18.33	18.38		OMM	√				
4		*	600.00	20.00	20.00				614.00	613.00	614.00	614.00	610.00		OMM	√				
5			10.00	5.00	5.00				10.00	11.00	10.00	15.00	15.00		OMM		√			
6			10.00	5.00	5.00				12.00	11.00	11.00	14.00	13.00		OMM	√				
7		*	600.00	20.00	20.00				614.00	614.00	615.00	615.00	609.00		OMM	√				
8			0.00	2.50	0.00				0.000	0.000	0.000	0.000	0.000		OMM		√			
9			0.00	2.50	0.00				2.090	1.690	1.570	2.350	2.500		OMM		√			
10															OMM					
11															OMM					
12															OMM					
13															OMM					
14															OMM					
15															OMM					

### Equipment ID:

DC-"Digital Caliper"

DI-"Dial Indicator"

PLG - "Plug Gauge"

PLG - "Plug Gauge"

LG - "Loop Gauge"

PG-"Pin Gauge"

RG-"Radii Gauge"

PP-"Profile Projector"

OMM-"Objective Measuring Machine"

### Disposition:

Acc - "Accept"

Rej - "Reject"

Con. Acc - "Conditional Accept  
( faulty, but accept)"

ME Engineer: \_\_\_\_\_

Inspector \_\_\_\_\_

Date \_\_\_\_\_

QA Approval \_\_\_\_\_

Date  
2022/12/15