



Angeei

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DATA SHEET

P/N: C242003

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Version Information

Version	Date	Author	Note
A0	March 18, 2022	Rebecca	Initial Draft

1. Product Description

Model C242003 is a single-band antenna which has features of easy integration, can be directly connected to the product. This antenna was designed to accommodate most WLAN applications, such as access points, routers, and gateways.

2. Features

The model C242003 antenna is defined by following features:

- Bluetooth and IEEE 802.11 b/g standards
- 2.38dBi
- High Efficiency
- Quick Integration

3. Overall Performance

CHARACTERISTICS	SPEC
Standard	Bluetooth and IEEE 802.11 b/g
Frequency Range	2.4-2.5GHz
Peak Gain	2.38dBi
Feed Impedance	50 ohms
Antenna Dimensions	5*2*1mm
Operating Temperature	-40 ° C to +85° C
Storage Humidity Range	30% to 70% relative humidity

4. Product Characteristics

Measuring the Return Loss & radiation pattern of C242003 in a non-interference environment. Return Loss and radiation patterns of the C242003 were measured with the antenna mounted on a test board

4.1 Return Loss

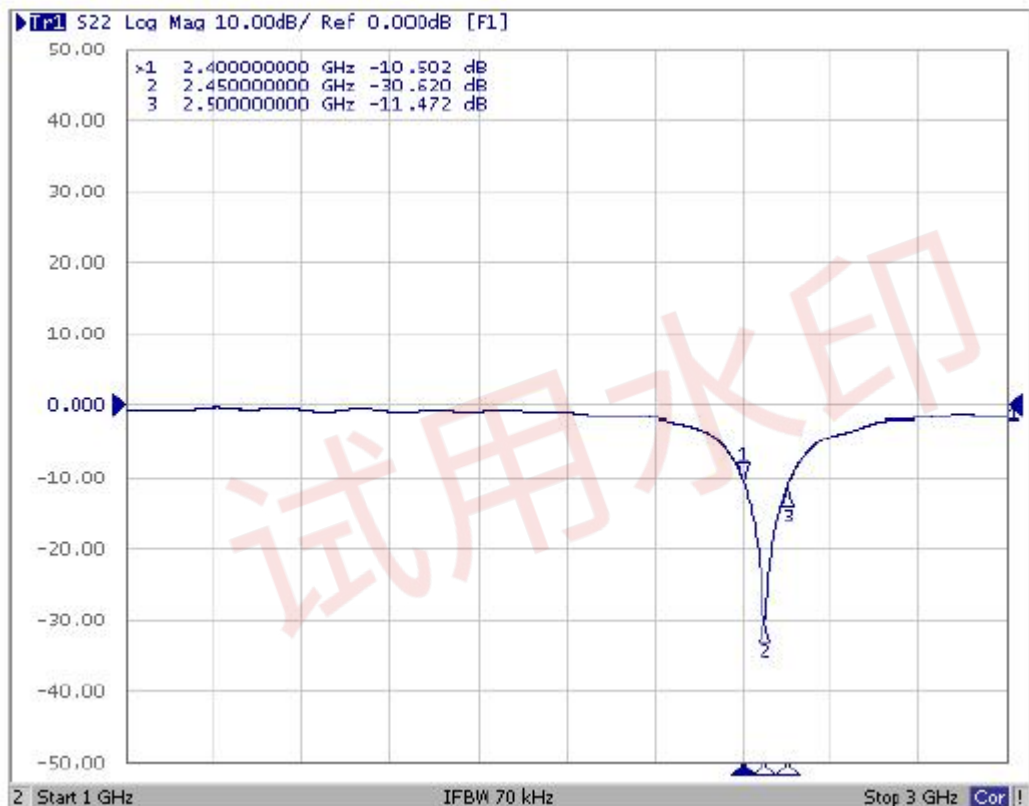


Figure 1: Model C242003 Return Loss

4.2 Radiation Pattern

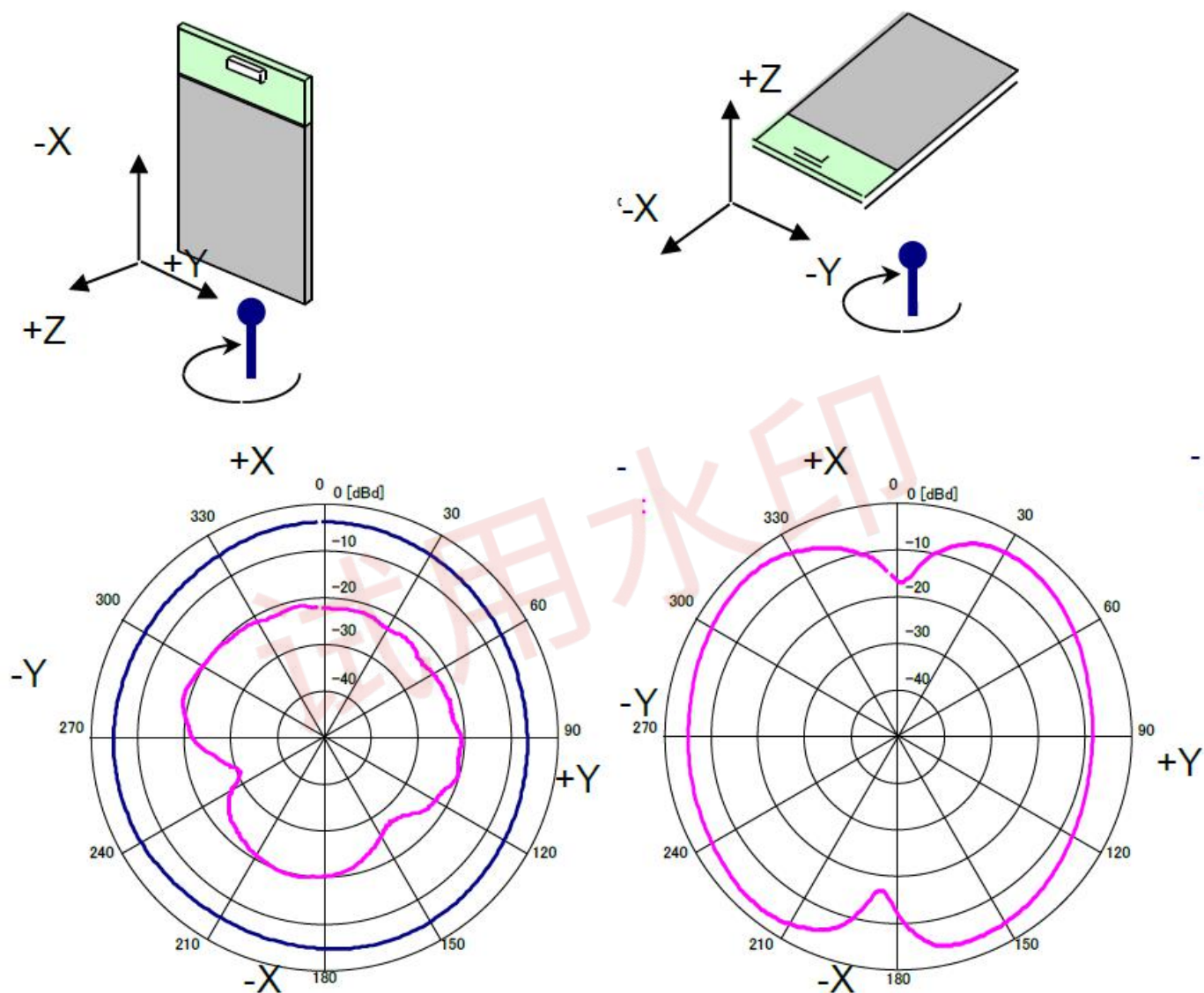


Figure 2: Model C242003 Radiation Patterns

5. Product Drawing

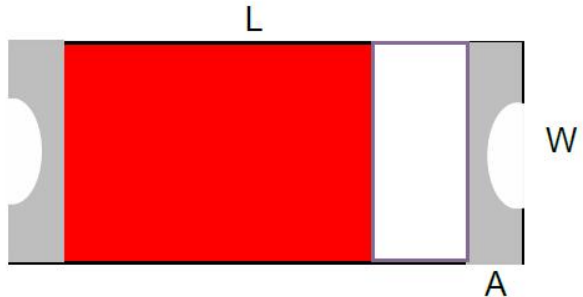
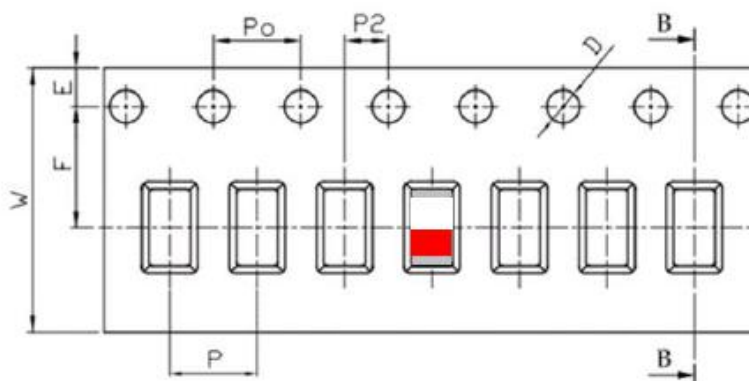
Figure	Symbol	Dimension (mm)
	L (长)	5.00 ± 0.20
	W (宽)	2.00 ± 0.30
	T (厚度)	1.0 ± 0.30
	A (电极宽度)	0.50 ± 0.20

Figure 3: Model C242003 Dimensions

6. Packing

- (1) Quantity/Reel: 2000 pcs/Reel
- (2) Plastic tape:

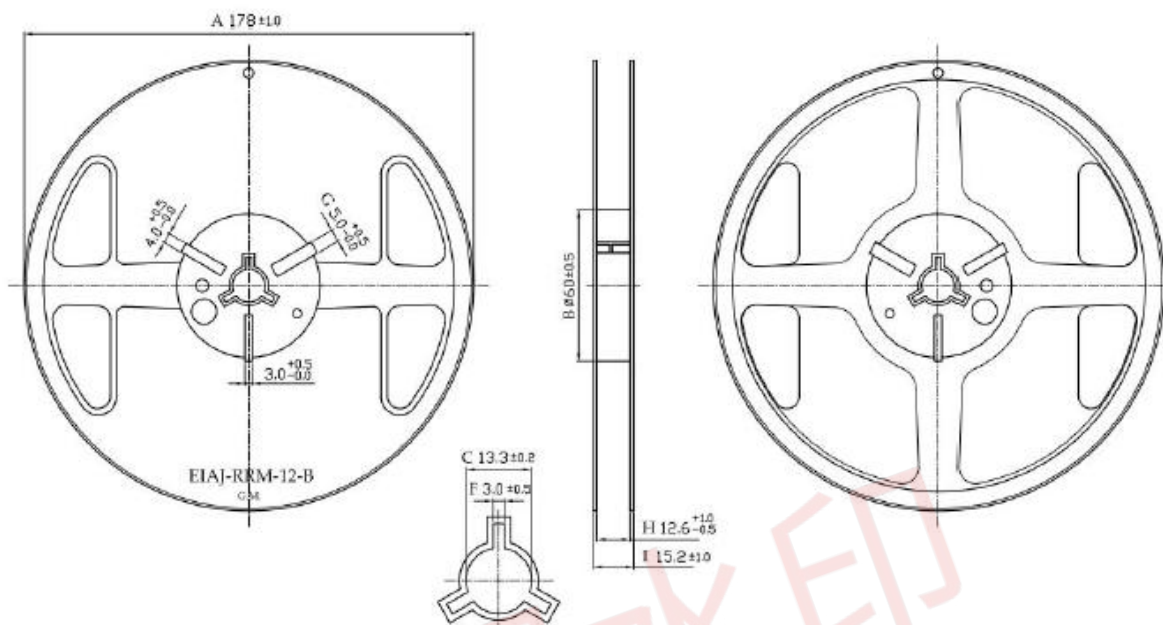
a. Tape Drawing



b. Tape Dimensions (unit: mm)

Feature	Specifications	Tolerances
W	12.00	± 0.30
P	4.00	± 0.10
E	1.75	± 0.10
F	5.50	± 0.10
P2	2.00	± 0.10
D	1.50	$+0.10$ -0.00
P0	4.00	± 0.10
10P0	40.00	± 0.20

c. Reel Drawing



7. ROHS

Model C242003 antenna is RoHS compliant.

Note:

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