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产品规格说明书

433mhz 弹簧天线

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Product Specification Manual

433MHz Spring Antenna

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1. 概述

433MHz 弹簧天线是无线模块上的重要零件，广泛地用在安防监控，智能家具，消费电子，工业遥控，汽车防盗，数据传输等领域。433MHz频段为免费 ISM 频段免许可证使用。

(420MHz-440MHz) 我厂生产的弹簧天线可用于各种 433MHz 无线装置，具有使用方便，性能优异，使用时直接焊接在无线模块上, 品质稳定可靠。

2. 电气参数

名称	参数
频率范围 Frequency Rang (MHz)	433. 92±10
电压驻波比 V. S. W. R	≤1. 8
增益(dBi) Gain	0
阻抗 Impedance (Ω)	50 Ω
操作温度	-40~+80℃
操作相对湿度	55%~75%

3.尺寸标注

5. Revision History

1. Overview

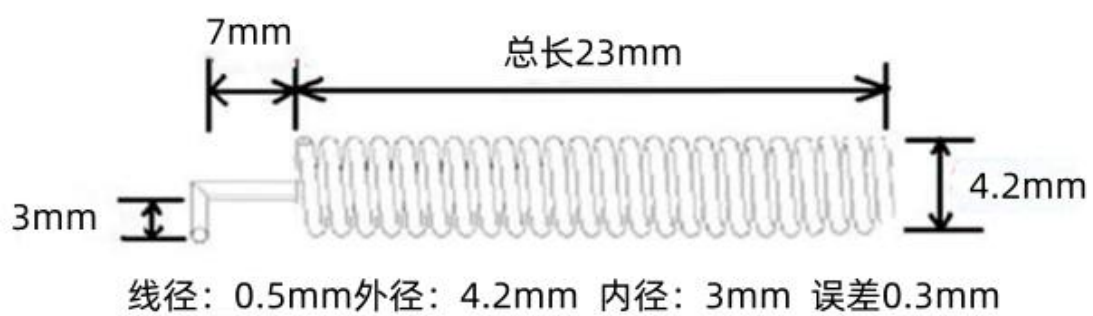
The 433MHz spring antenna is a critical component of the wireless module, extensively used in security monitoring, smart furniture, consumer electronics, industrial remote control, automotive anti-theft, data transmission, and other applications. The 433MHz frequency band is a license-free ISM band.

(420MHz–440MHz) The spring antennas manufactured by our company are compatible with various 433MHz wireless devices, offering ease of use, superior performance, and direct soldering onto the wireless module, ensuring stable and reliable quality.

2. Electrical Parameters

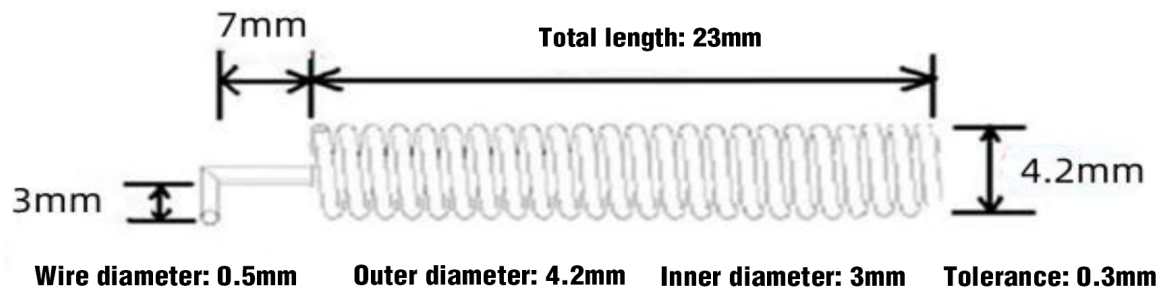
Name	Parameter
Frequency Range (MHz)	433.92 ± 10
Voltage Standing Wave Ratio (V.S.W.R.)	≤ 1.8
Gain (dBi)	0
Impedance (Ω)	50Ω
Operating Temperature	$-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$
Operating Relative Humidity	$55\% \sim 75\%$

3. Dimension Marking



4.实物





4. Physical Product



版本	更新日期	更新内容	修改人	确认人
D3	2024-7-2		Jennifer	Bruce

Version	Update Date	Update Content	Modifier	Approver
D3	2024-7-2		Jennifer	Bruce

We statement that All measurements were performed radiated and therefore additional antenna gain documentation is not required.