

## SW433-TH22DT

- 433MHz 铜质弹簧天线

### 产品规格书



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Note: Document Revision Record

Historical version number, release time, modified content

V1.0 2014-08 First release

V2.0 2016-06 Layout and Size Correction

V2.1 Logo Update on June 2017

V2.2 2020-11 Update Description

V3.0 2022-6 Size Update

## 1. Product Description

SW433-TH22DT

copper spring antenna is a specialized antenna designed for 433MHz wireless communication systems. The antenna has good standing wave ratio performance, small size, smart structure, convenient installation, stable performance, and good anti-vibration and anti-aging capabilities.

## 2. Performance parameters

Frequency range:  $433 \pm 8$  MHz

Voltage standing wave ratio:  $\leq 1.5$

Gain: 2.15 dBi

Input impedance:  $50 \Omega$

Maximum power: 10 W, wire diameter: 0.5 mm

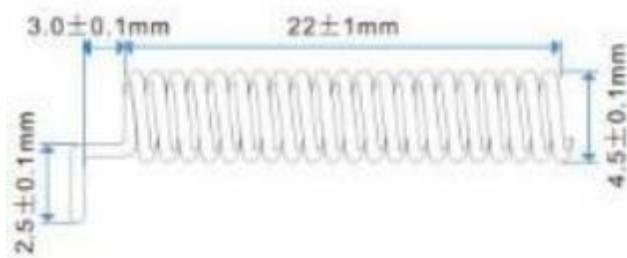
Height:  $22 \pm 1$  mm

Interface form: direct welding

Antenna color: Copper

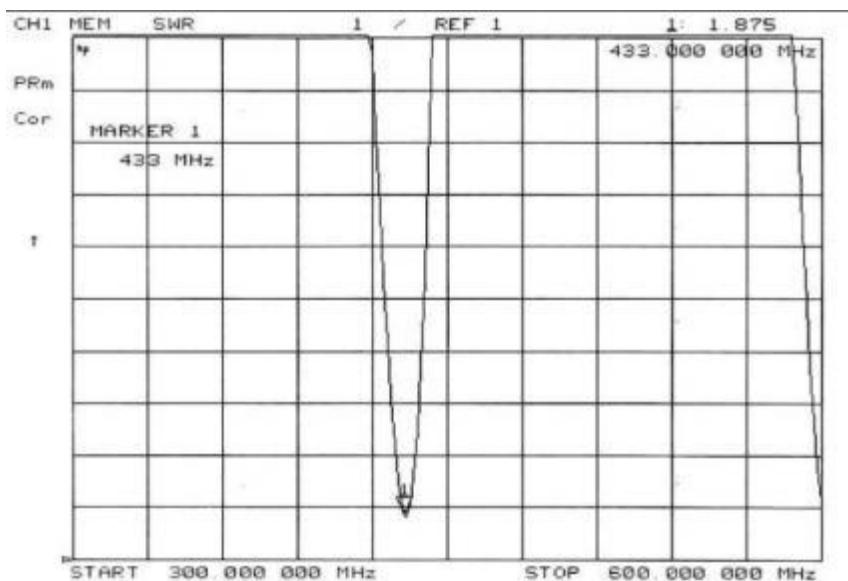
Weight: 0.5 g

## 3. Mechanical dimensions (unit: mm)



## 4. Standing wave ratio diagram

Frequency: 434 MHz RL: 14.44dB Standing Wave SWR: 1.464



Before leaving the factory, the antenna undergoes strict calibration by a network analyzer in a simulated wireless data transmission system environment.

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