

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 ± 8 MHz

Voltage standing wave ratio: ≤ 1.5

Gain: 2.15 dBi

Input impedance: 50Ω

Maximum power: 10 W, wire diameter: 0.5 mm

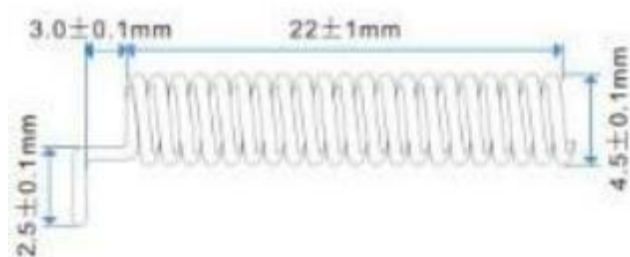
Height: 22 ± 1 mm

Interface form: direct welding

Antenna color: Copper

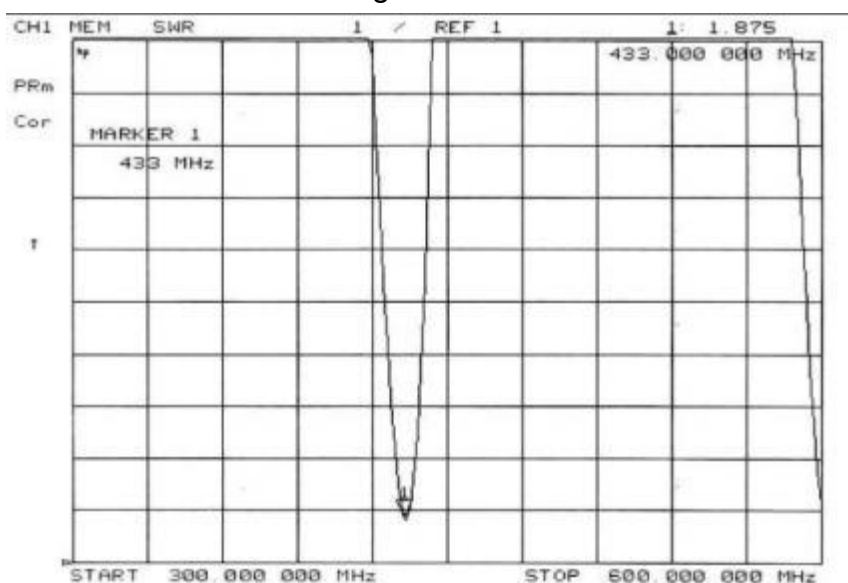
Weight: 0.5 g

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