



Product Information	
Model	HTT02
Height	19mm
Manufacturer	HUO FU Wireless Technology
Frequency	413-453MHz
Gain	2.5dBi
VSWR	≤ 1.5

Product Description:

This product is compatible with the following FireBat Wireless 433M wireless modules: H34S, H34P, JR43B, SX1278, SX1278W1, JK1278A, JC1278A, DTX1K, DRX1K, JJ43A, H34R, H34F, and other models. Made of pure copper, it offers high gain and long-range performance.

Key Features:

- High gain
- Pure copper construction
- Easy to solder

Performance Specifications:

Gain: 2.5dBi

VSWR: ≤ 1.5

Frequency: 413-453MHz

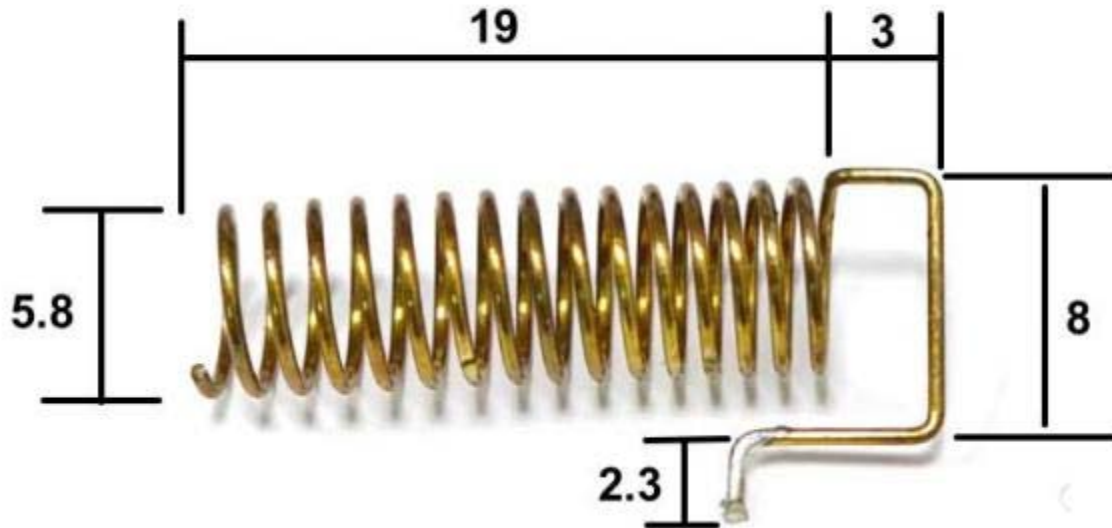
Height: 19mm

Impedance: 50Ω

Material: Pure copper

Product Appearance:

Product Dimensions:



Wire Gauge: 0.5
Unit: mm

Notes:

1. The wireless module should ideally be placed near the edge of the board, with a width of approximately 1 mm—preferably matching the width of the C2 pad.
2. Do not place copper planes or routing directly beneath the antenna.
3. Other areas should be covered with large copper planes.
4. Add vias between ground planes on different layers to ensure the electromotive force of the ground is consistent throughout.
5. C1, C2, and C3 are reserved for antenna tuning. After prototyping, replace C3 with a 0-ohm resistor to test the range. If the range is unsatisfactory and tuning is required, please contact our company.
6. There must be no metal or screw holes near the antenna.
7. Antenna performance is highly dependent on the enclosure; the enclosure near the antenna must not be made of metal or coated with metallic paint.
8. Generally, we recommend using our standard spring-loaded or wire antennas for optimal performance.