

Technology Luoyang Co., Ltd. **Product**
Specifications

Product Name: chip patch antenna

Model: BAT-ANT2-1503

frequency: 400-1000MHz

Polarization mode: linear polariz

Radiation direction: omnidirecti

Voltage standing wave ratio (VSWR): $\leq$

Return loss: ≤ -10 dB

Antenna gain: 0-2 dBi

Radiation efficiency: 10% - 50%

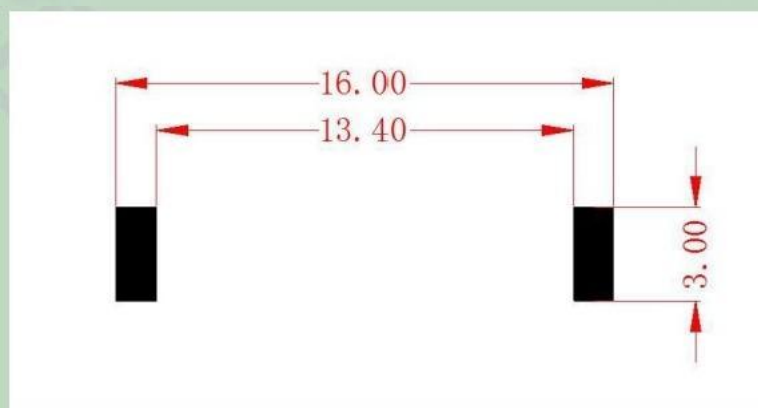
Power capacity: 4 W

Operating temperature: $-40 \sim 80^{\circ}\text{C}$

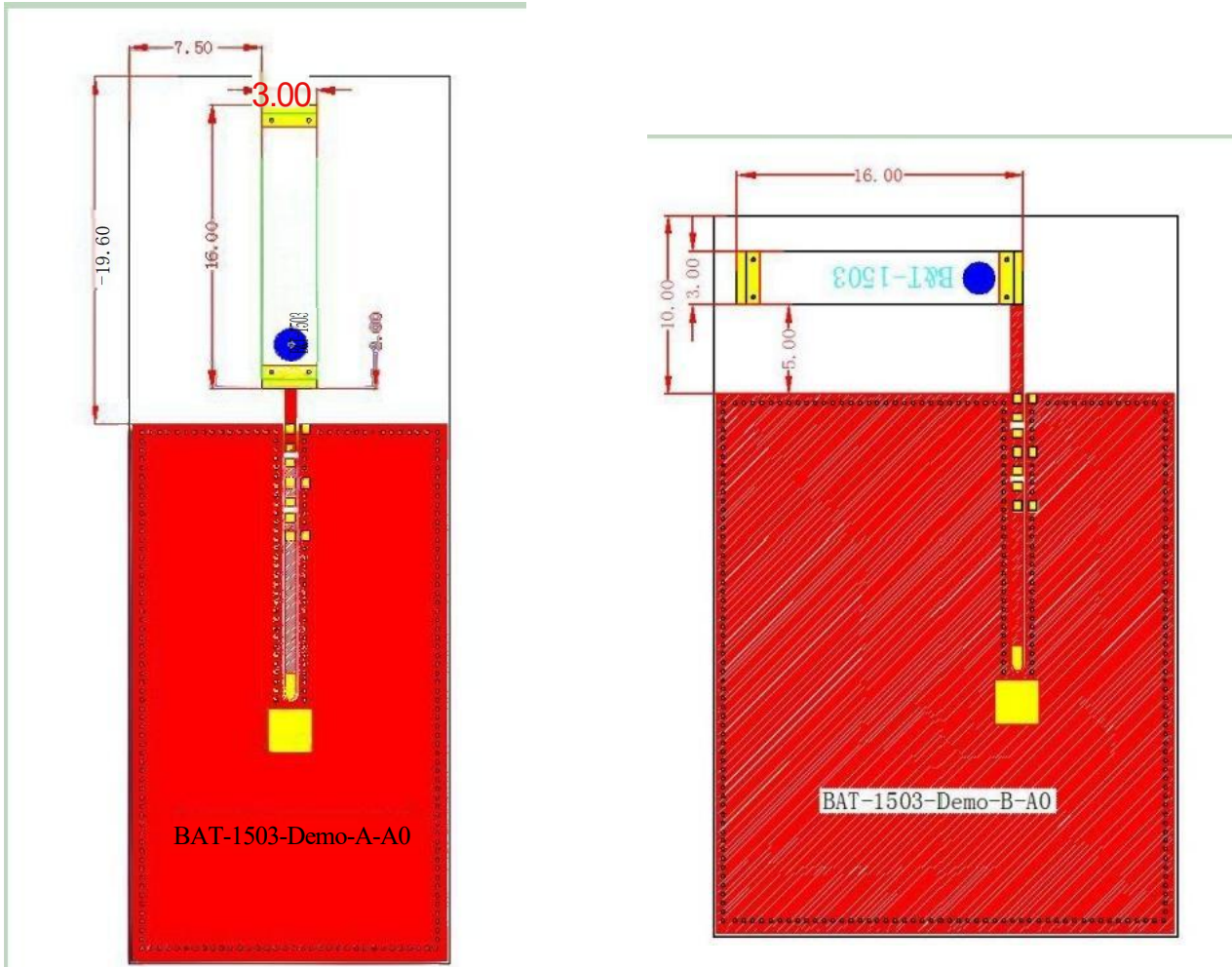
Antenna dimensions: 15 (L) * 3 (W) * 1.2 (H) mm



Antenna package dimensions diagram (mm)

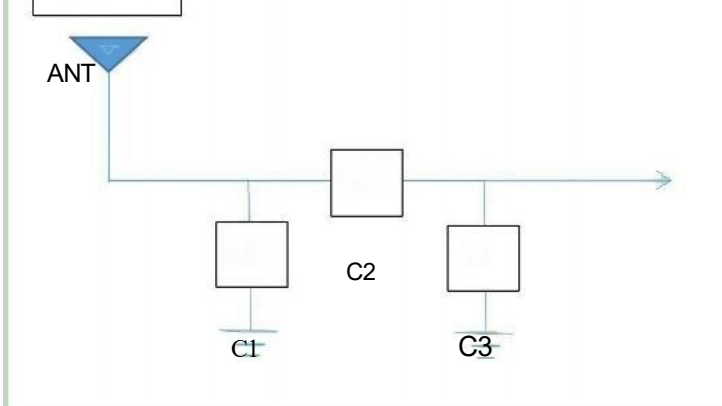


Hardware Design Guide



The left side of the image above shows a vertical antenna layout, while the right side shows a horizontal layout. Vertical layout is preferred when space allows.

Impedance matching network schematic diagram



Matching description:

- ① Use inductors and capacitors to adjust the impedance;
- ② Inductance range: 1~110 nH, Capacitance range: 0.5~10 pF;
- ③ Adjust and match according to the frequency band used; different frequency bands require different matching parameters.

Furnace temperature operating curve

