

Specification

Product name: chip SMT antenna

Part no.: BAT-ANT2-1503

Frequency: 400-1000MHz

Polarization mode: linear polarization

Radiation direction : All-around

VSWR: ≤ 2.0

Echo loss: $\leq -10\text{dB}$

Antenna gain: 0-2dBi

Radiation efficiency: 10-50%

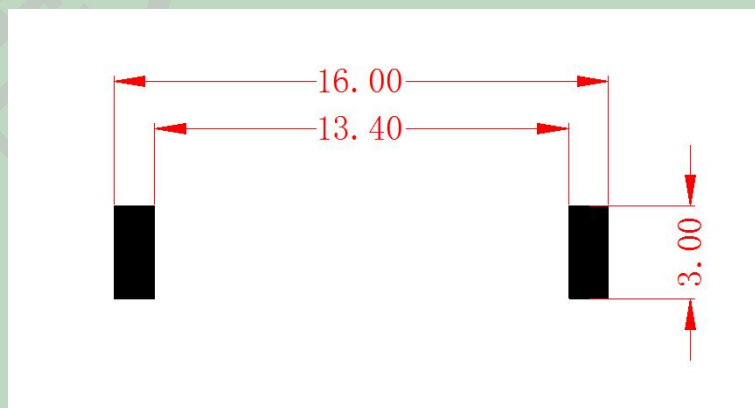
Power capacity: 4W

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

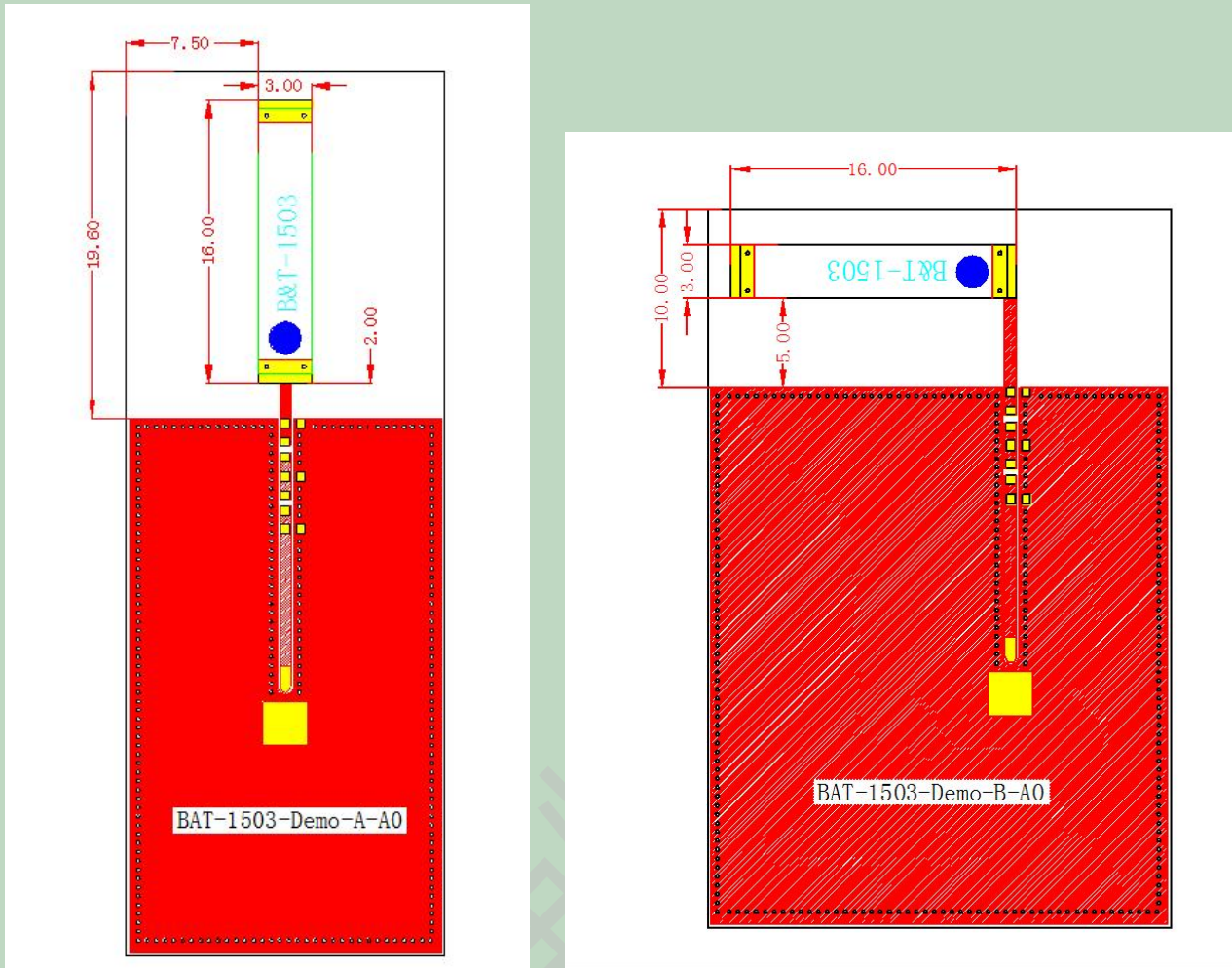
Antenna size: 15 (L) * 3 (W) * 1.2 (H) mm



Antenna design package dimensions (mm)

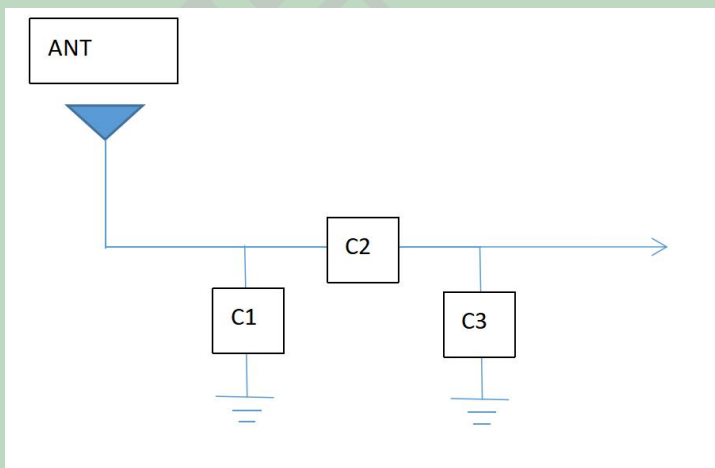


Hardware design guidance



The left side of the above figure is the antenna vertical layout, the right side is the horizontal layout, if the space allows the priority option is vertical layout.

Impedance matching network diagram



Matching instructions:

- ① Use inductance and capacitance to debug impedance;
- ② Inductance value range: 1~110nH, capacitance value range: 0.5~10PF;
- ③ Debug and match according to the frequency band used. Different frequency bands require different matching parameters.

Furnace temperature working curve

