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Product Specifications

Product Name:chip patch antenna

model:1503

frequency:400-1000MHz

Polarization mode:linear polarization

Radiation direction:Omnidirectional

Voltage standing wave ratio (VSWR): ≤ 2.0

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

Antenna gain:0-2dBi

Radiation efficiency:10-50%

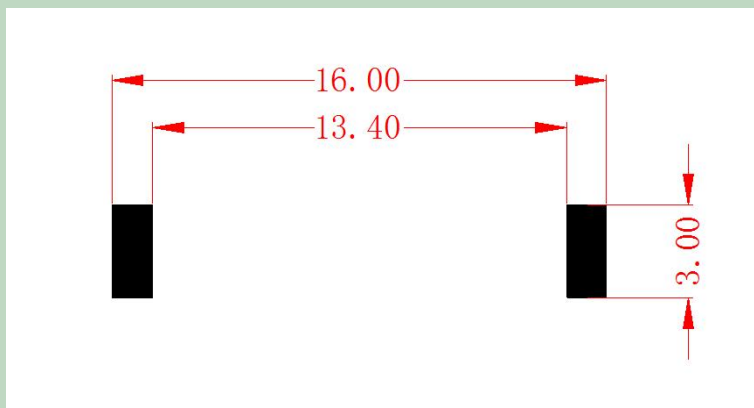
Power capacity:4W

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

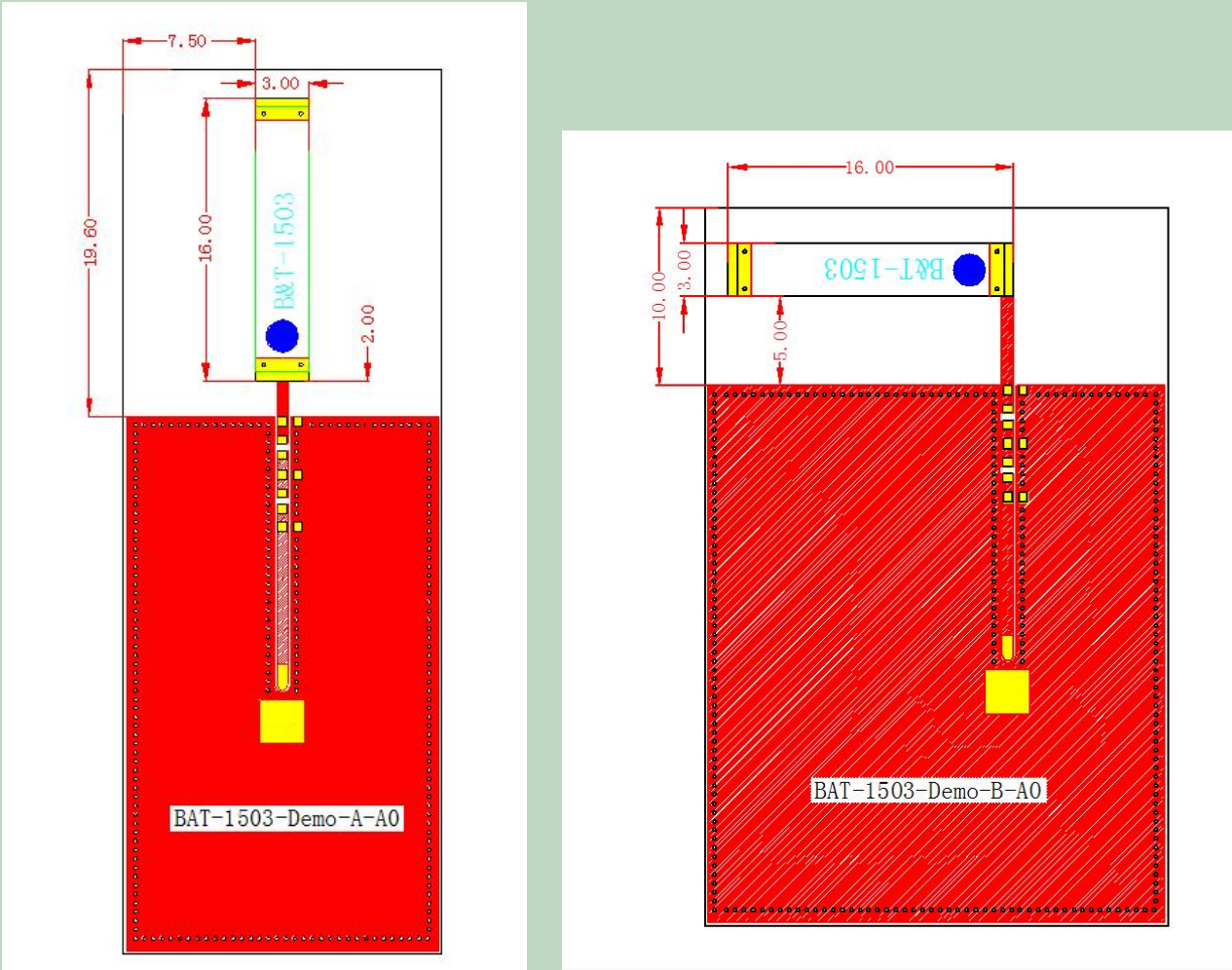
Antenna dimensions:15(L)*3(W)*1.2(H)mm



Antenna package dimensions (mm)

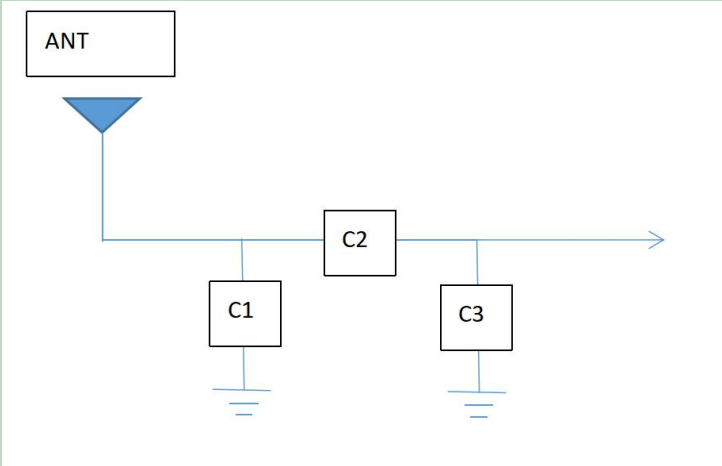


Hardware Design Guide(mm)



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

Furnace temperature operating curve

