

# APPROVA

**custom :**

**DESCRIPTION:**

**PART NO.:** 22-087

**CUS PART NO.:** DL-T433-L01

**D A T E:** 2022-11-29

confirm

| ENGINEERING DEPARTMENT | Q C DEPARTMENT | SALES DEPARTMENT |
|------------------------|----------------|------------------|
| Zhu Hailong            | Fan Youyi      | Wu Aifeng        |

confirm

| ENGINEERING DEPARTMENT | Q C DEPARTMENT | PURCHASING DEPARTMENT |
|------------------------|----------------|-----------------------|
|                        |                |                       |

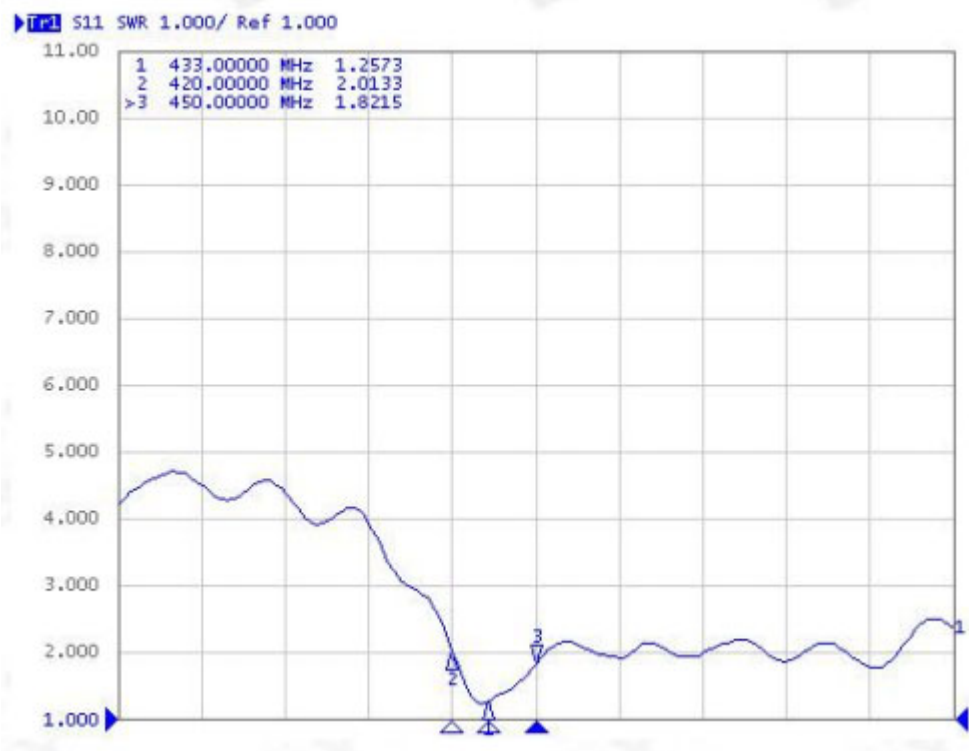
Technical parameters of electrical apparatus

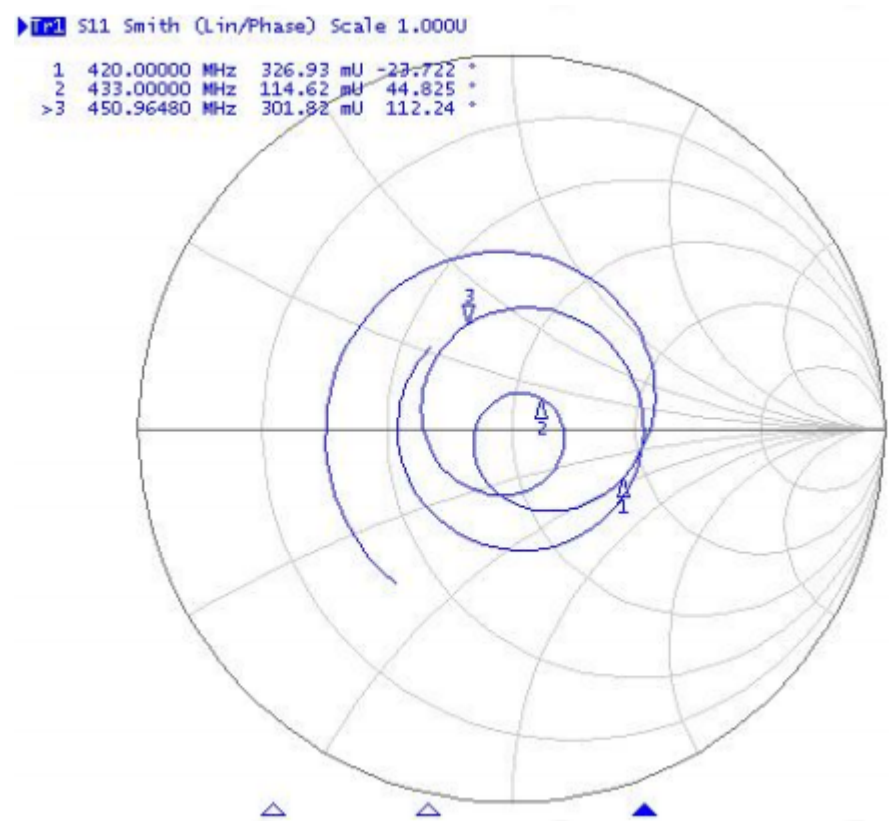
Electrical Specifications

|                 |        |                     |                  |
|-----------------|--------|---------------------|------------------|
| Frequency range | 433MHz | Polarization        | perpendicularity |
| Impedance       | 50 Ω   | Radiation direction | omnidirectional  |
| VSWR            | ≦1.5   | Power               | 50W              |
| Gain            | 3dBi   | Bandwidth           | /                |

Mechanical Specifications

|                       |                                   |                     |           |
|-----------------------|-----------------------------------|---------------------|-----------|
| Antenna color         | Yellow - Surface heat shrink tube | Antenna Color       | -         |
| Interface form        | weld                              | Input connector     | weld      |
| Antenna length        | 42.5MM                            | Cable length        | /         |
| Operating temperature | -40℃~+85℃                         | Working Temperature | -40℃~+85℃ |
| Working humidity      | 20~80%                            | Working Humidity    | 20~80%    |
|                       |                                   |                     |           |





**Environmental performance test:**

| Item                          | Test condition  | specification  |
|-------------------------------|---|--|
| Storage environment           | 1. Test temperature, humidity, and air pressure without specifying the following:<br>2. temperature:-30℃~+80℃<br>Relative humidity:45%-85%<br>Atmospheric pressure:86kpa-106kpa | Electrical and mechanical properties are normal  |
| High and low temperature test | Five cycles were performed between 70 ° C and 40 ° C, and then under normal conditions<br>1 to 2 hours, check the appearance quality.   | Dimensions shall meet the specifications and shall meet the requirements<br>Mechanical and electrical properties |

|   |   |  |
|---|---|--|
| Resistance to constant heat and humidity test | Relative humidity $95\pm3\%$ , test temperature: $40^{\circ}\text{C}$ . After 2H continuous action,<br>The electrical properties were measured within 5 minutes after the sample was taken out, and the sample was in the normal bar<br>After 1 to 2 hours, check the appearance qualit | Dimensions shall meet the specifications and shall meet the requirements<br>Mechanical and electrical properties |
| Vibration test                                | Vibration frequency range 10-55HZ, displacement amplitude: 0.35MM, acceleration amplitude: 50.0M/S, frequency sweep cycle: 30 times   | Electrical and mechanical properties are normal  |
| Drop test                                     | Free fall 3 times at 1M altitude in the direction of perpendicular axes   | Electrical and mechanical properties are normal  |

