

APPROVA

custom :

DESCRIPTION:

PART NO.: 22-087

CUS PART NO.: DL-T433-L01

DATE: 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

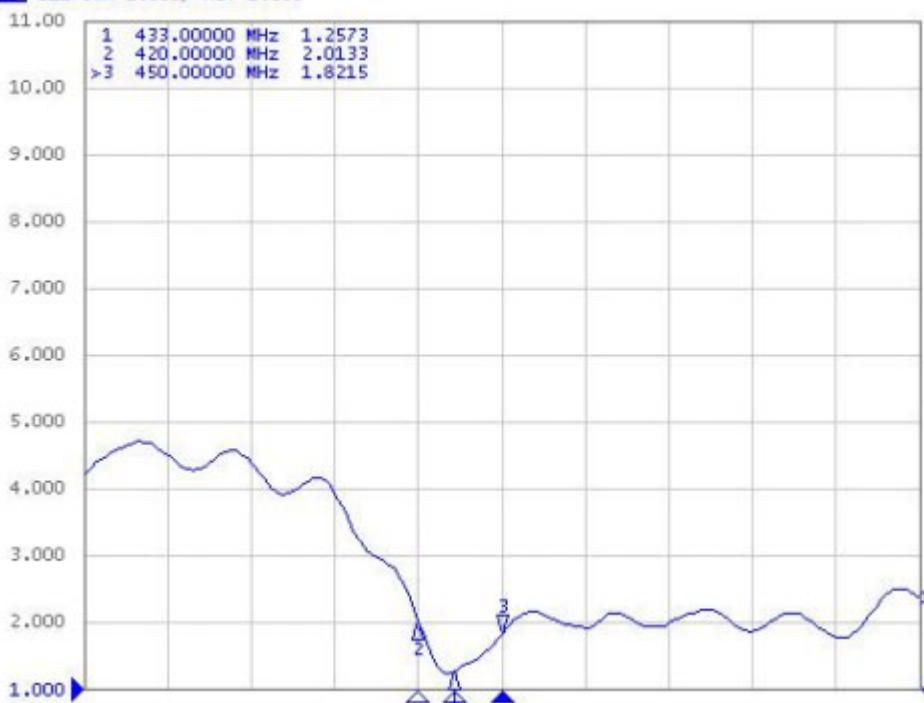
Electrical Specifications

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

Mechanical Specifications

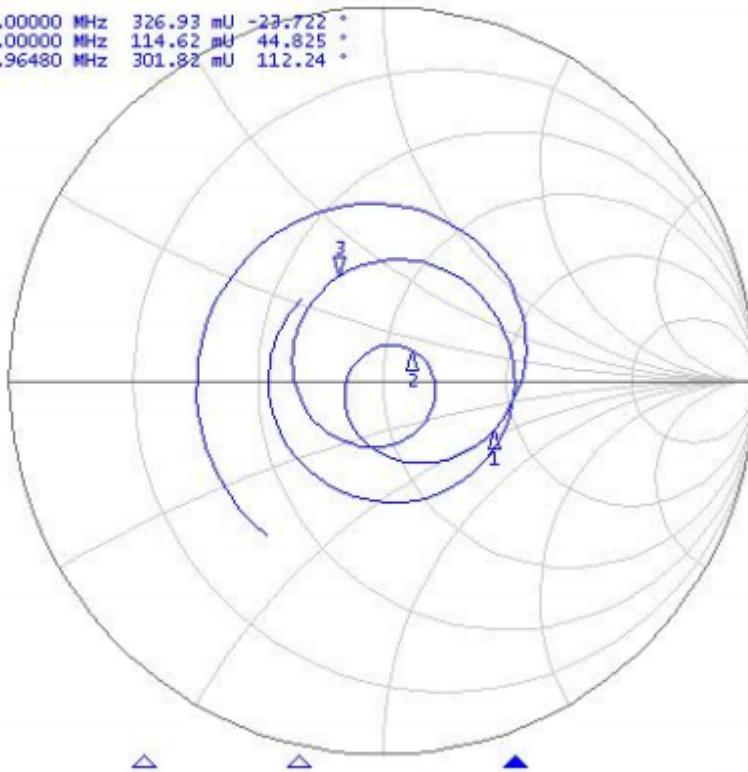
Antenna color	Yellow - Surface heat shrink tube	Antenna Color	-
Interface form	weld	Input connector	weld
Antenna length	42.5MM	Cable length	/
Operating temperature	-40°C~+85°C	Working Temperature	-40°C~+85°C
Working humidity	20~80%	Working Humidity	20~80%

►TP1 S11 SWR 1.000/ Ref 1.000



► Test S11 Smith (Lin/Phase) Scale 1.0000

1	420.00000 MHz	326.93 mΩ	-23.722 °
2	433.00000 MHz	114.62 mΩ	44.825 °
>3	450.96480 MHz	301.82 mΩ	112.24 °



Environmental performance test:

Item	Test condition	specification
Storage environment	<ol style="list-style-type: none"> 1. Test temperature, humidity, and air pressure without specifying the following: 2. temperature: -30°C ~ +80°C Relative humidity: 45%~85% Atmospheric pressure: 86kpa~106kpa 	Electrical and mechanical properties are normal
High and low temperature test	<p>Five cycles were performed between 70 ° C and 40 ° C, and then under normal conditions 1 to 2 hours, check the appearance quality.</p>	Dimensions shall meet the specifications and shall meet the requirements Mechanical and electrical properties

Resistance to constant heat and humidity test	Relative humidity $95 \pm 3\%$, test temperature: 40°C . After 2H continuous action, The electrical properties were measured within 5 minutes after the sample was taken out, and the sample was in the normal bar After 1 to 2 hours, check the appearance qualit	Dimensions shall meet the specifications and shall meet the requirements 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

