TX433-JZ-10 Product Data Sheet v1.0



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Product Introduction TX433-JZ-10



TX433-JZ-10 is a 433MHz rubber antenna. Height of the antenna is 100mm with a SMA-J interface (SMA inner screw thread and inner needle) .With copper structure (not the spring structure of ordinary antenna) is adopted internally, the antenna has the advantages of wide bandwidth, small SWR and good consistency. It can be applied to such wireless device with frequency of 433MHz as wireless module, data transmission station, remote control equipment and so on.

Other Parameters TX433-JZ-10

No.	Parameter item	Parameter details & Description
1	Height	100mm
2	Total Weight	11g
3	Coat Material	TPEE
4	Interface	SMA-J
5	Working Temperature	-40℃～+85℃
6	Storage Temperature	-40℃～+85℃

Physical Parameters TX433-JZ-10

No.	Parameter item	Parameter details & Description
1	Frequency	433MHz
2	Bandwidth	400-470MHz
3	Gain	3dBi
4	SWR	≤1.5
5	Polarization	Vertical
6	Radiation Direction	Omnidirectional
7	Input Impedance	50Ω
8	Power Capacity	20W

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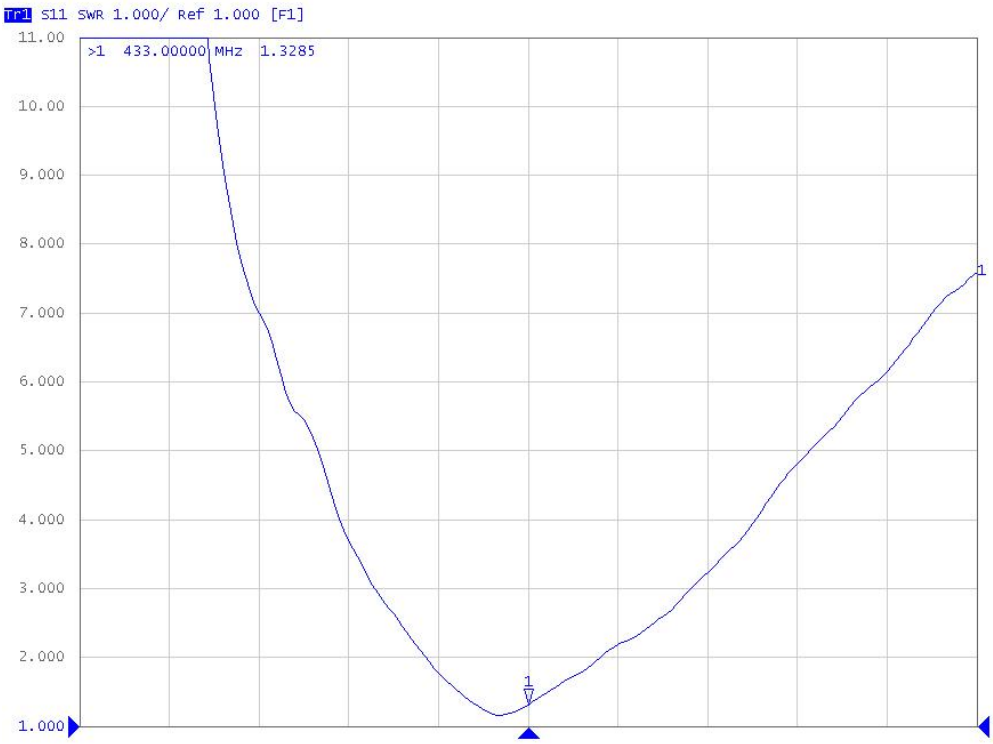
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Size TX433-JZ-10



Testing TX433-JZ-10

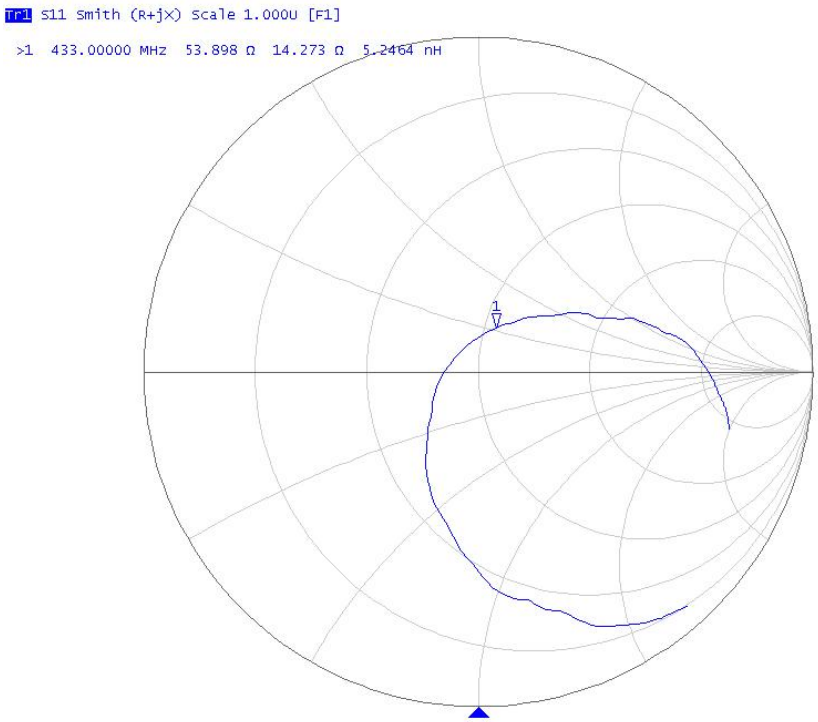
1、VSWR



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2、Smith



FAQ TX433-JZ-10

- Antenna frequency shall be matched with that of the wireless devices, or the communication will be affected;
- Diffraction performance will be better with lower communication frequency and longer wave;
- Communication distance will be shorter if there is any straight-line barrier;
- Please be noted of the antenna radiation direction. Incorrect direction by installation will result in short communication distance;
- As radio wave may be absorbed by the ground, result will be affected if tested close to ground. It is suggested to test at a higher place;
- As radio wave can be highly absorbed by the ocean water, result will be affected if tested close to the sea;
- Signal will be seriously weakened if the antenna is put close to metal or inside metal shell;
- Lower impedance matching of antenna and communication devices will result in bad communication.

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Our products have been widely applied in various fields, such as consumer electronics, industrial control, healthcare, security alarm, field acquisition, smart home, expressway, property management, water and electricity meter reading, power monitoring, etc.

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