



成都亿佰特电子科技有限公司
Chengdu Ebyte Electronic Technology Co.,Ltd.

TX433-PCB-3207 Product Data Sheet v1.0

Product Introduction

TX433-PCB-3207

TX433-PCB-3207 is a 433MHz PCB internal antenna. Size of the antenna is 32*7mm. With a IPX-I interface, it can be applied to such devices with frequency of 433MHz as wireless module, network devices.

Other Parameters

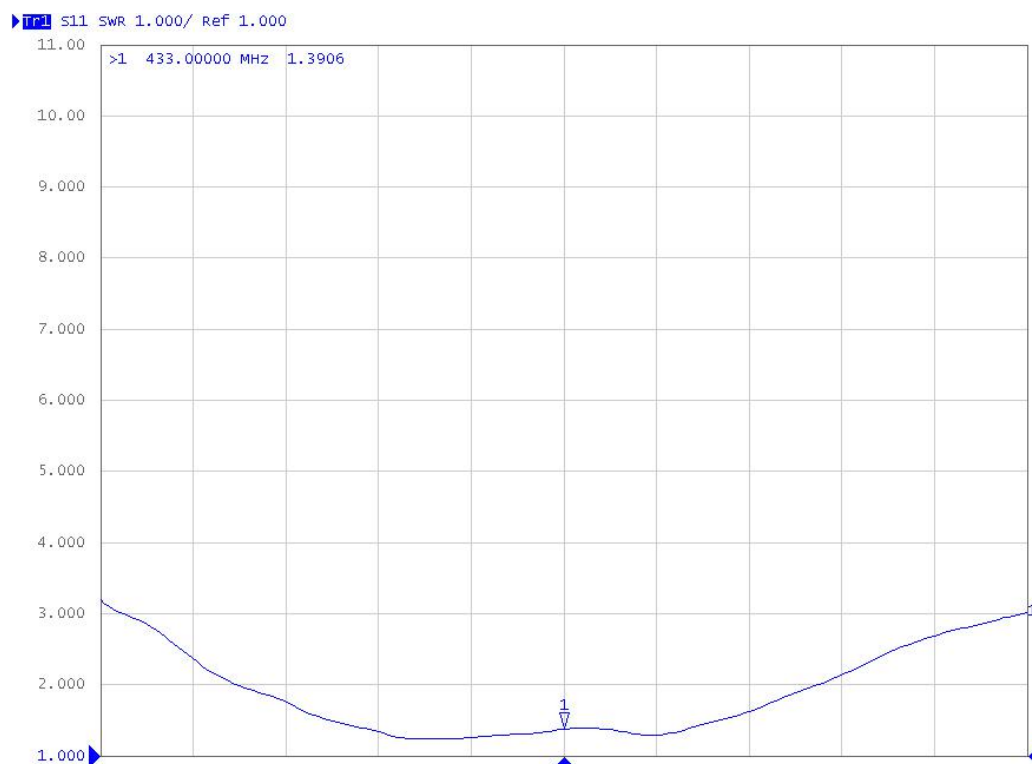
TX433-PCB-3207

No.	Parameter item	Parameter details & Description
1	Size	32*7mm
2	Total Weight	1g
3	Material	PCB
4	Feeder Length	90mm
5	Interface	IPX-I
6	Working Temperature	-40℃~+85℃

Physical Parameters

TX433-PCB-3207

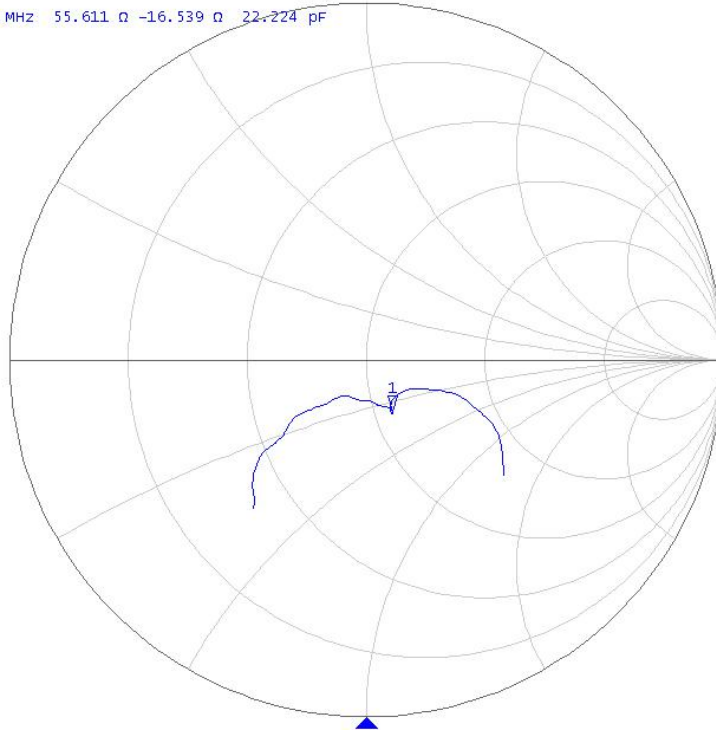
No.	Parameter item	Parameter details & Description
1	Frequency	433MHz
2	Bandwidth	423-443MHz
3	Gain	2dBi
4	SWR	≤1.5
5	Polarization	Linear
6	Radiation Direction	Omnidirectional
7	Input Impedance	50 Ω
8	Power Capacity	2W

Size**TX433-PCB-3207****Testing****TX433-PCB-3207****1、VSWR**

2、Smith

▶ **S11 Smith (R+jX) Scale 1.000U**

>1 433.00000 MHz 55.611 Ω -16.539 Ω 22.224 pF



FAQ

TX433-PCB-3207

- 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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