TX433-PCB-4310 Product Data Sheet

433MHz PCB Internal Antenna

Welding Connector



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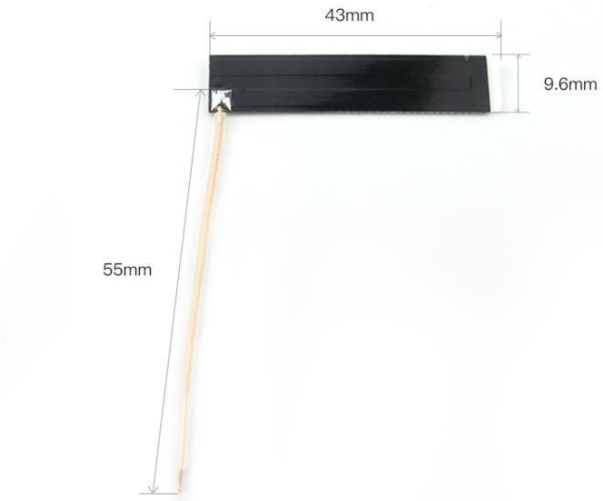
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I. Product Introduction

TX433-PCB-4310 is a 433MHz PCB internal antenna. Size of the antenna is 43*9.6mm. With a welding connector, it can be applied to such devices with frequency of 433MHz as wireless module, network devices.

II. Specification and Parameters

Physical Parameters	
Frequency	433MHz
Bandwidth	410-450MHz
Gain	3dBi
SWR	≤1.5
Polarization	Linear
Radiation Direction	Omnidirectional
Input Impedance	50Ω
Power Capacity	5W
Other Parameters	
Size	43*9.6mm
Total Weight	1g
Material	PCB
Feeder Length	55mm
Connector	Welding
Working Temperature	-40℃～+85℃
Storage Temperature	-40℃～+85℃

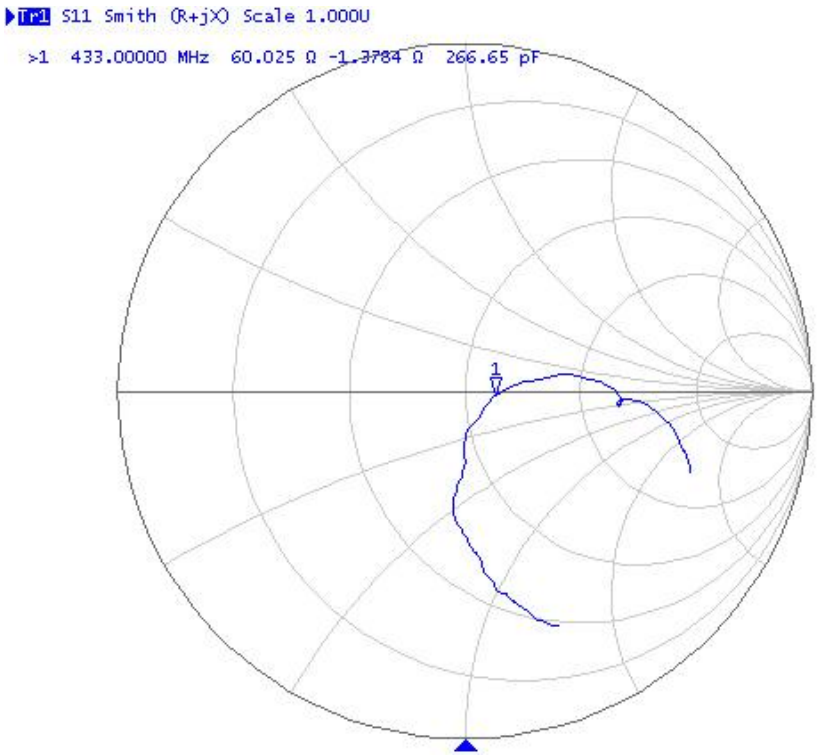


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III. Testing





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IV. FAQ

- 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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