



TX433-FPC-3208 Product Data Sheet v1.0



Product Introduction

TX433-FPC-3208


TX433-FPC-3208 is a 433MHz FPC internal antenna. Size of the antenna is 32*8mm. With a IPX-I interface, it can be applied to such devices with frequency of 433MHz as wireless module, network devices.

Other Parameters

TX433-FPC-3208

No.	Parameter item	Parameter details & Description
1	Size	32*8mm
2	Total Weight	1g
3	Material	FPC
4	Feeder Length	90mm
5	Interface	IPX-I
6	Working Temperature	-40℃~+85℃

Physical Parameters

TX433-FPC-3208

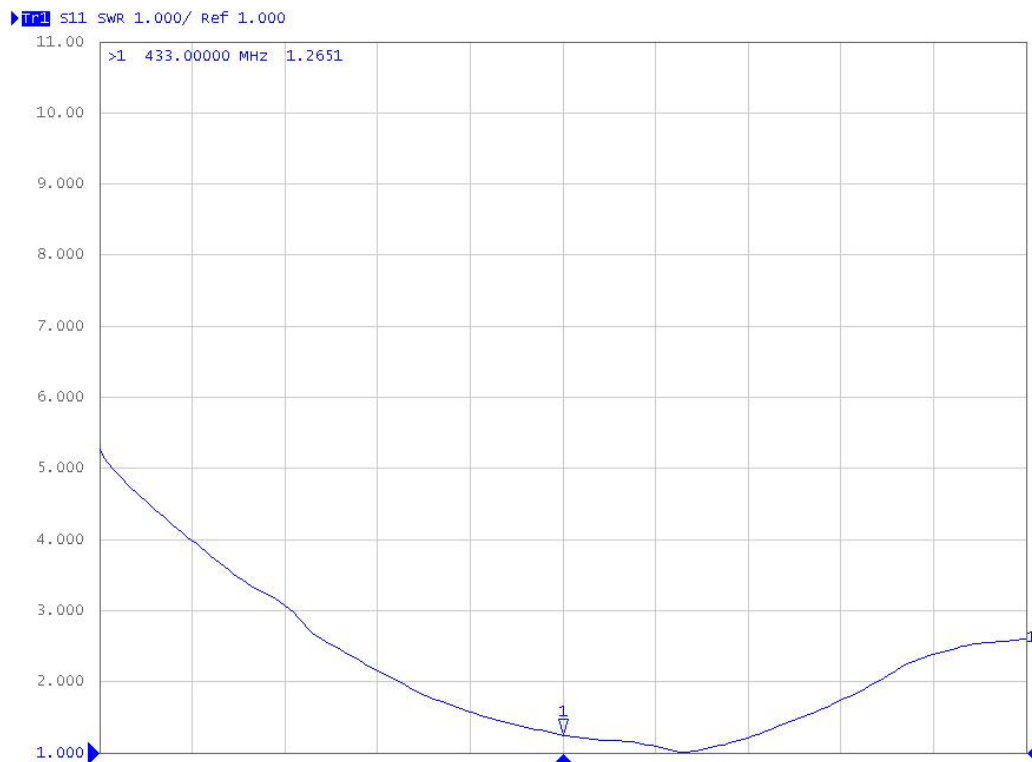
No.	Parameter item	Parameter details & Description
1	Frequency	433MHz
2	Bandwidth	423-443MHz
3	Gain	2dBi
4	SWR	≤1.5
5	Polarization	Linear
6	Radiation Direction	Omnidirectional
7	Input Impedance	50 Ω
8	Power Capacity	2W

Size **TX433-FPC-3208**



Testing **TX433-FPC-3208**

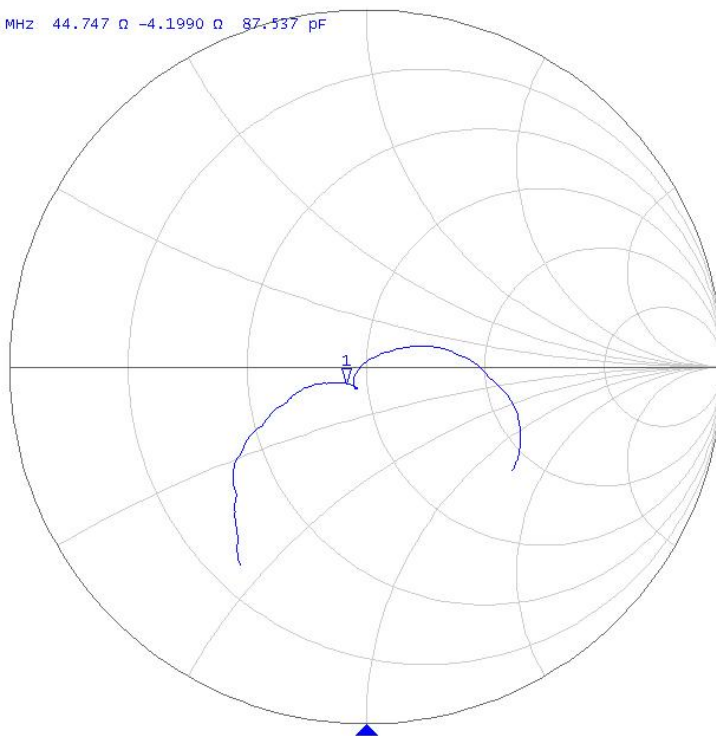
1、VSWR



2、Smith

▶ S11 Smith (R+jX) Scale 1.000U

>1 433.00000 MHz 44.747 Ω -4.1990 Ω 87.537 pF



FAQ

TX433-FPC-3208

- 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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