



承认书

SPECIFICATION FOR APPROVAL

客户名称

CUSTOMER NAME: 深圳德骥创新科技有限公司

产品名称

PRODUCT NAME: AT5020 陶瓷天线

客户料号

CUSTOMER P/N: T3B50208AT5

众成料号

ZC 料号 P/N: AT5020-B2R8HAA REV:A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
AUDITOR BY:		
APPROVED BY:		
DATE:	2025-11-26	

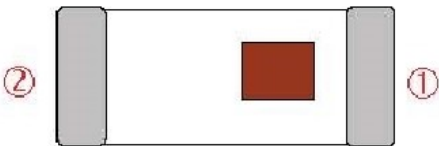
1.产品图片



2. 规格表:

主要技术指标		Main technical specifications	
频率范围（MHZ）	2400-2500	Frequency Range (MHZ)	2400-2500
特性阻抗（Ω）	50	Impedance（Ω）	50
增益（dbi）	0	Gain (dbi)	0
输出电压驻波比	<2	VSWR	<2
最大功率	3W	Admitted Power	3W
极化方式	圆级化	Polarization	circular polarization
方向性	全向性	Radiation	Omni-directional
连接方式	贴装	Connector Type	SMT
物理性能		Physical Properties	
天线基材	陶瓷	Antenna FPCB substrate	Ceramic
工作温度	-40° C ~ +85° C	Operating Temp	-40° C ~ +85° C
保存温度	-40° C ~ +85° C	Storage Temp	-40° C ~ +85° C

Terminal Configuration

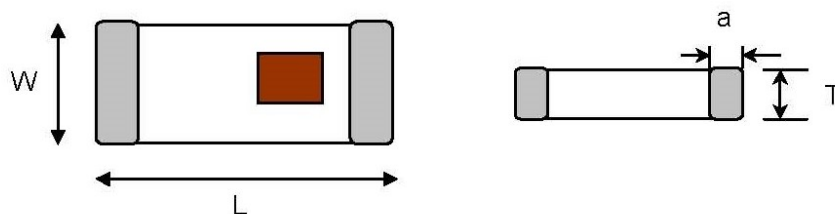


No.	Terminal Name	No.	Terminal Name
①	Feeding Point	②	NC



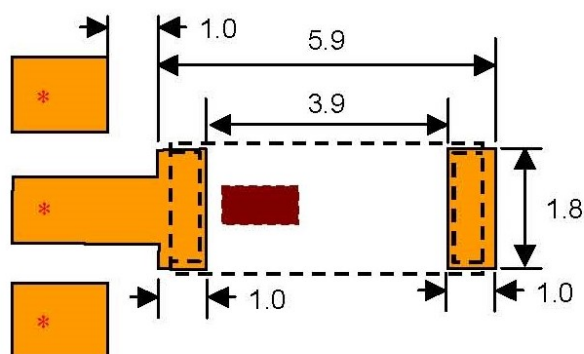
Dimensions and Recommended PC Board Pattern

Unit : mm

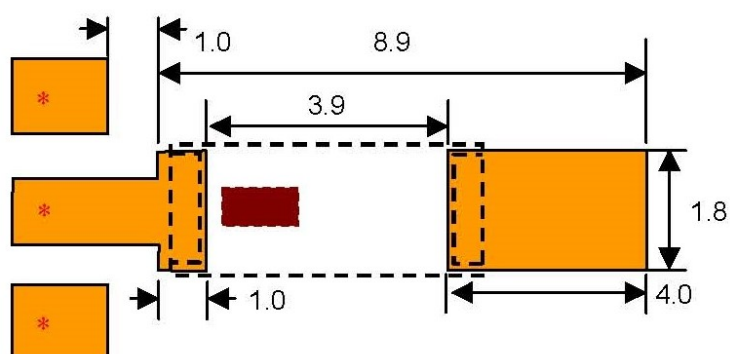


Mark	L	W	T	a
Dimensions	5.0 $\pm$ 0.2	2.0 $\pm$ 0.2	1.1 $\pm$ 0.2	0.5 $\pm$ 0.3

(a) Without Matching Circuits



(b) With Matching Circuits

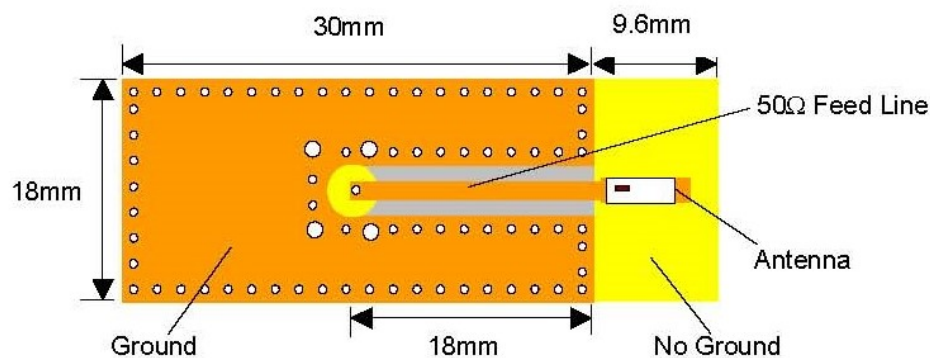


*Line width should be designed to match 50 Ω characteristic impedance, depending on PCB material and thickness.



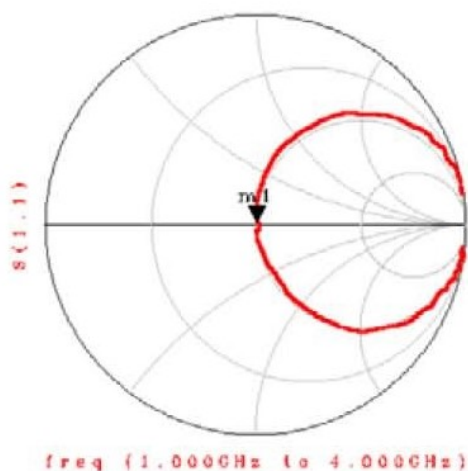
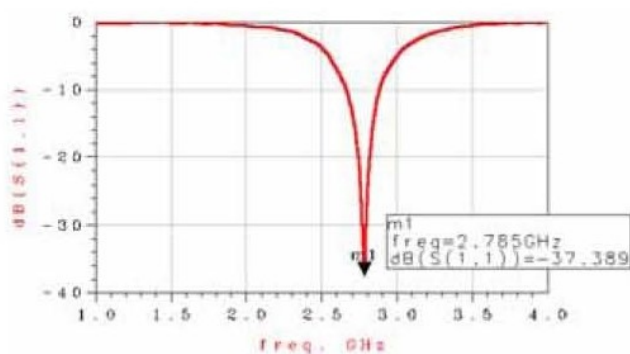
Typical Electrical Characteristics (T=25°C)

❖ Test Board



❖ Return Loss

(a) Without Matching Circuits



(b) With Matching Circuits

