

# 产品规格书

品名: chip 贴片天线

型号: T5020

频率: 2400-2500MHz

极化方式: 线极化

辐射方向: 全向

电压驻波比: ≤2.0

回波损耗: ≤-10dB

天线增益: 2dBi

辐射效率: ≥60%

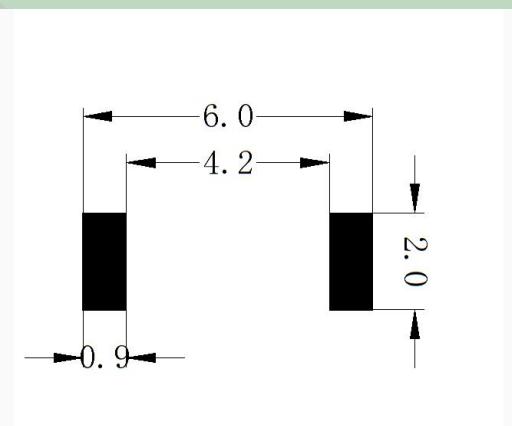
功率容量: 4W

工作温度: -40~80°C

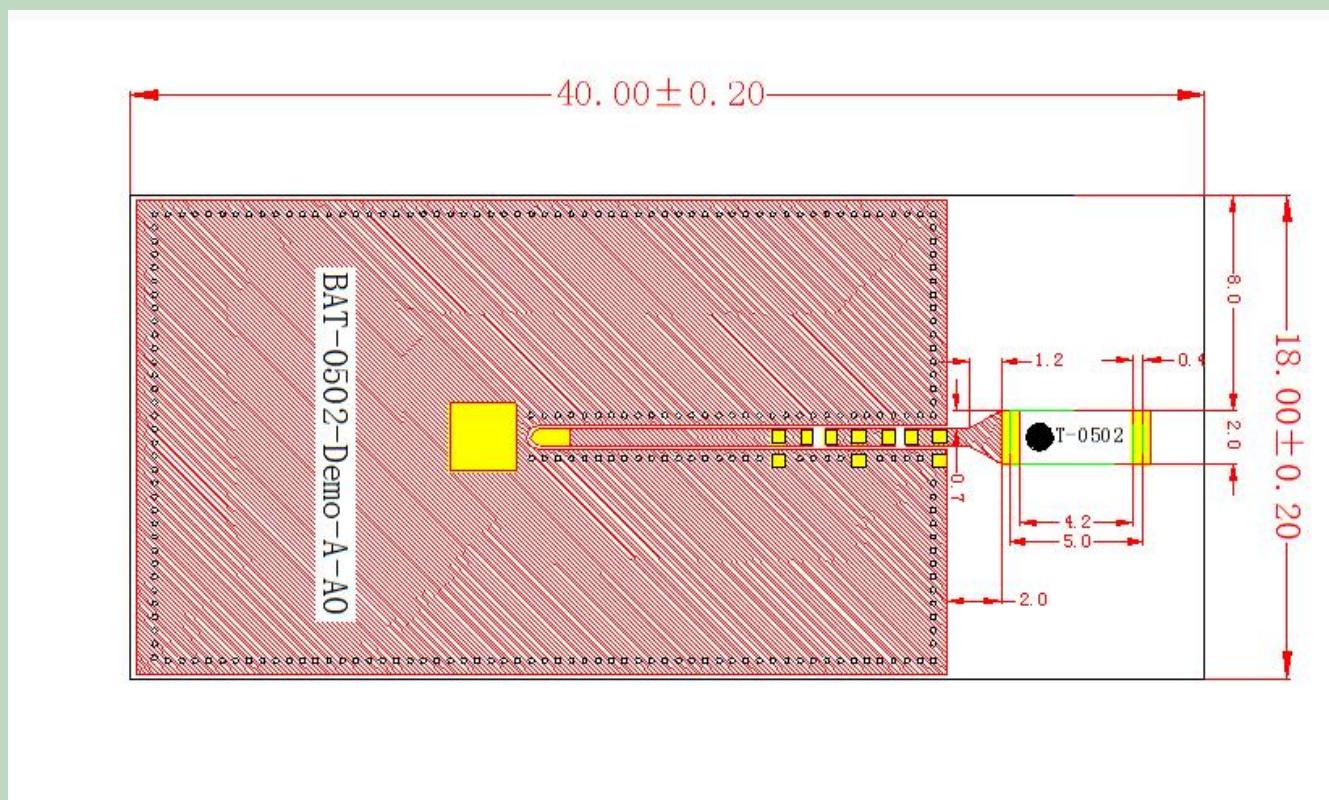
天线尺寸: 5 (L) \*2 (W) \*1.6 (H) mm



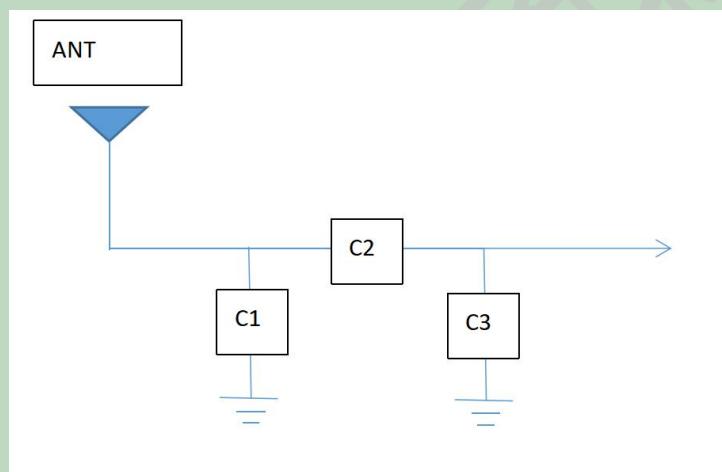
天线封装尺寸图 (mm)



## 硬件设计指导



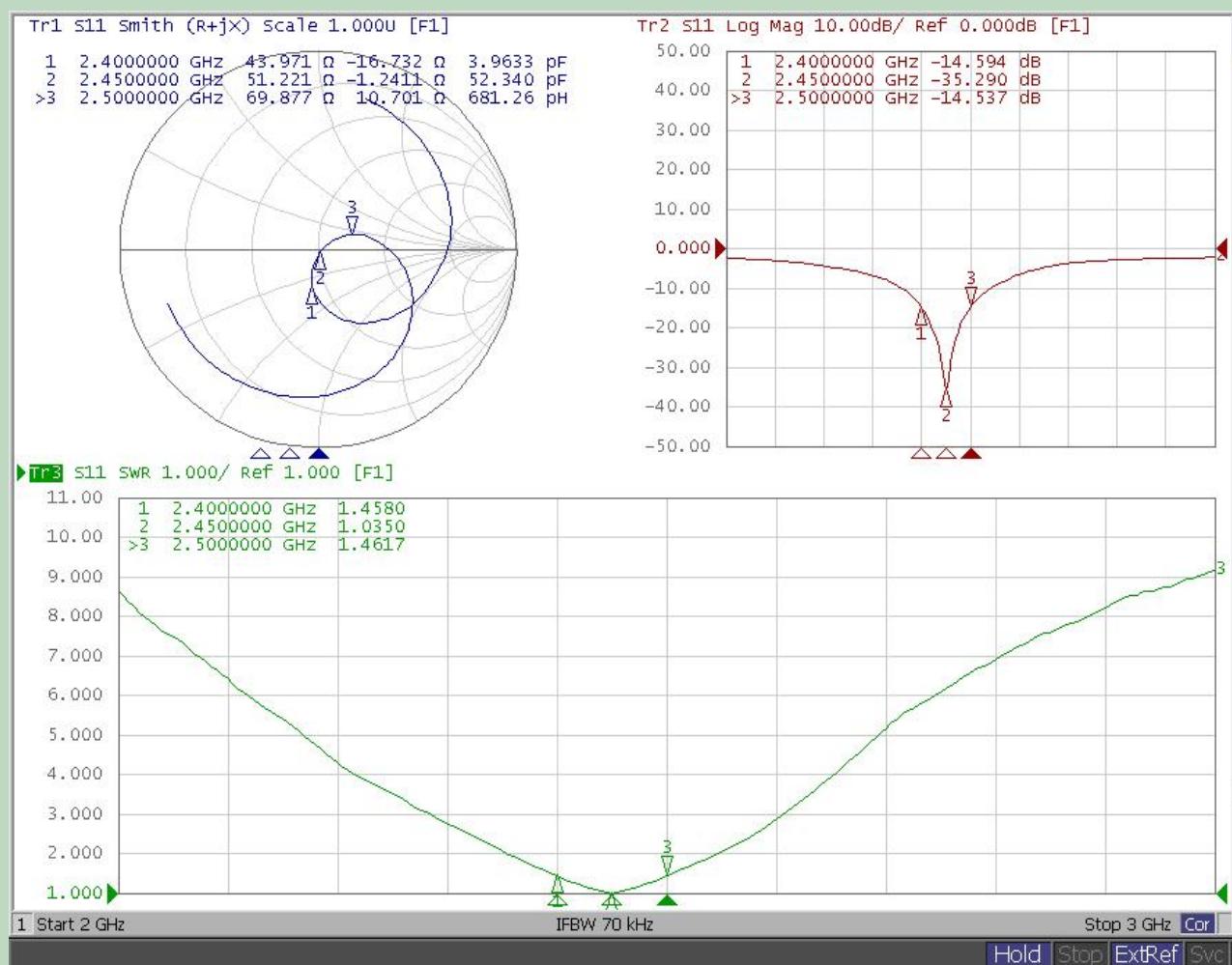
## 阻抗匹配网络



## 匹配说明：

- ① 采用电感和电容调试阻抗；
- ② 通常 L 形匹配即可，电感值范围 1~5.6nH，电容值范围：0.5~3PF；
- ③ 有条件配合 layout 调整，即能发挥更佳效能；

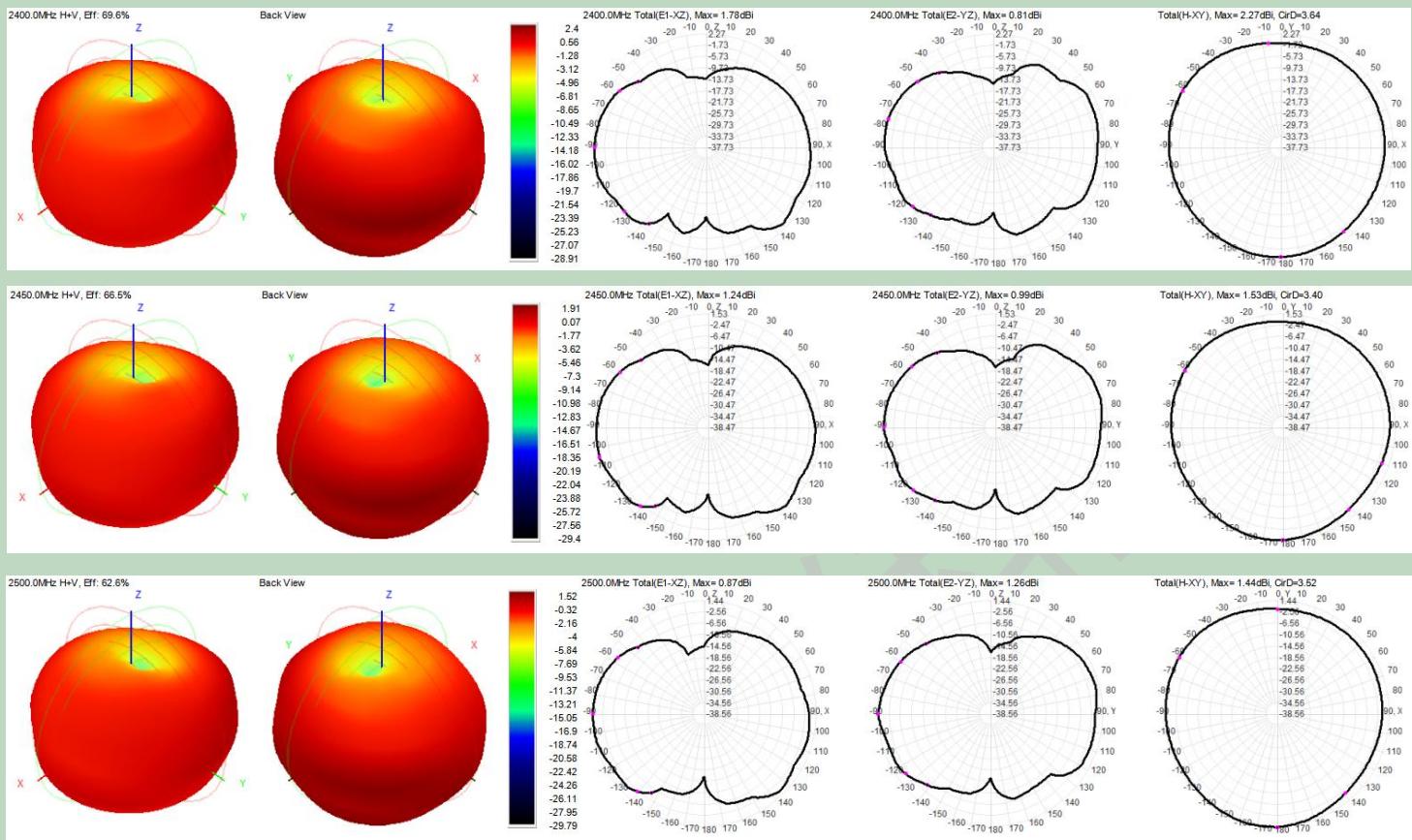
## S11 实测数据



## 增益&辐射效率

Frequency (MHz)	BAT-ANT2-T5020	
	Gain (dBi)	Efficiency (%)
2400	<b>1.70</b>	<b>63.62</b>
2410	<b>1.77</b>	<b>64.02</b>
2420	<b>1.78</b>	<b>64.53</b>
2430	<b>1.87</b>	<b>65.00</b>
2440	<b>1.90</b>	<b>65.76</b>
2450	<b>1.91</b>	<b>66.47</b>
2460	<b>1.94</b>	<b>66.96</b>
2470	<b>1.86</b>	<b>66.74</b>
2480	<b>1.86</b>	<b>65.98</b>
2490	<b>1.86</b>	<b>65.34</b>
2500	<b>1.82</b>	<b>65.56</b>

## 辐射方向图



## 炉温工作曲线

