

产 品 技 术 规 格 书

SPECIFICATION

产品型号 PART NO: LA31H2450-A27

RoHS Compliant Parts

中国浙江省嘉兴市经济开发区正原路 66 号

No.66 ZhengyuanRoad, Economic Development Zone,Jiaxing,Zhejiang,China

TEL: 0086-573-83651818

FAX: 0086-573-83651858

manufacture: JIA XING GLEAD ELECTRONICS CO., LTD

Address: No.66 ZhengyuanRoad, Economic Development
Zone,Jiaxing,Zhejiang,China

目 录

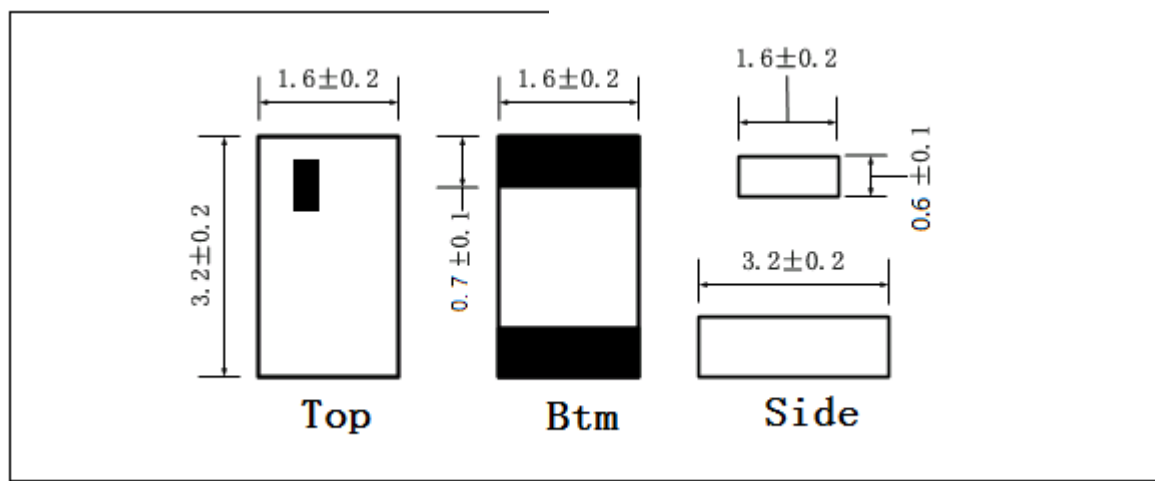
Table of contents

1. 概述 Introduction	3
2. 天线型号 Antenna Type	3
3. 外型尺寸及测试板焊盘尺寸 Dimensions	3
4. 测试电路和匹配电路 Evaluation Board and Matching Circuits	4
5. 电气性能 Electrical Characteristics	5
6. 特性曲线 Characteristic curve	5
7. 方向图 Radiation Pattern	6~7

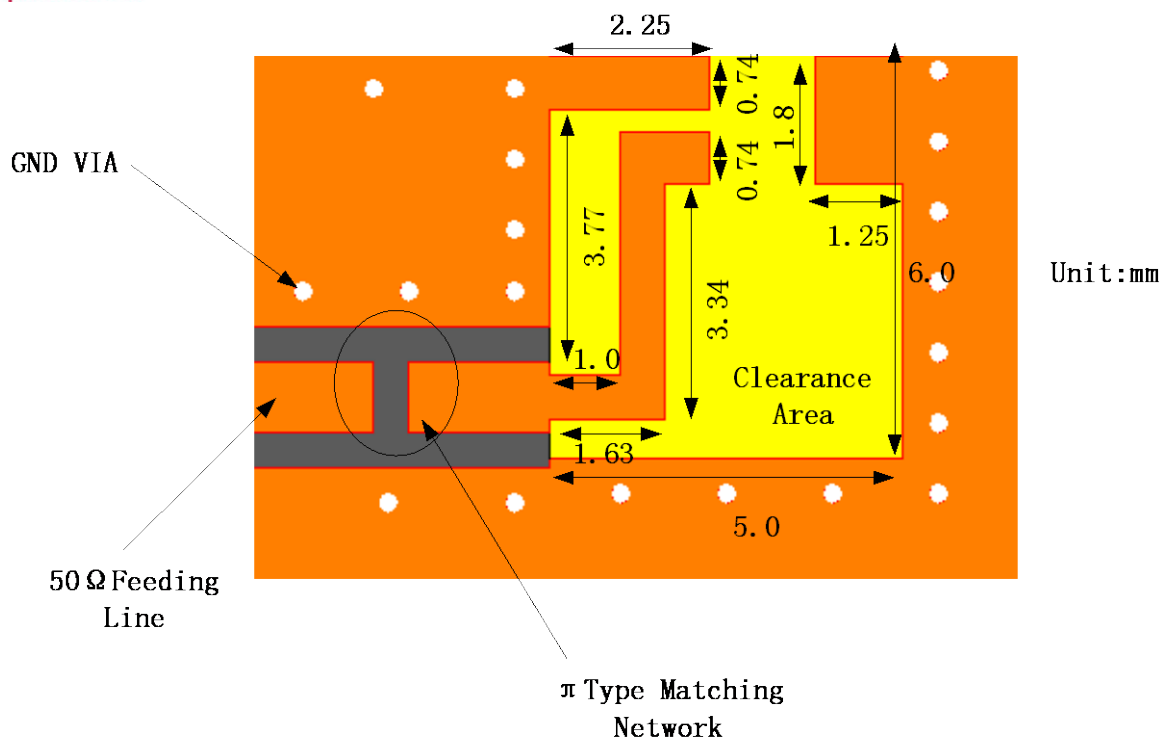
Specification**1. 概述 INTRODUCTION**

"佳利"微波多层陶瓷天线 LA 系列产品设计用于 WLAN、WiFi、蓝牙、PHS，手机多频天线, FM 等小体积 SMD 片式设计。

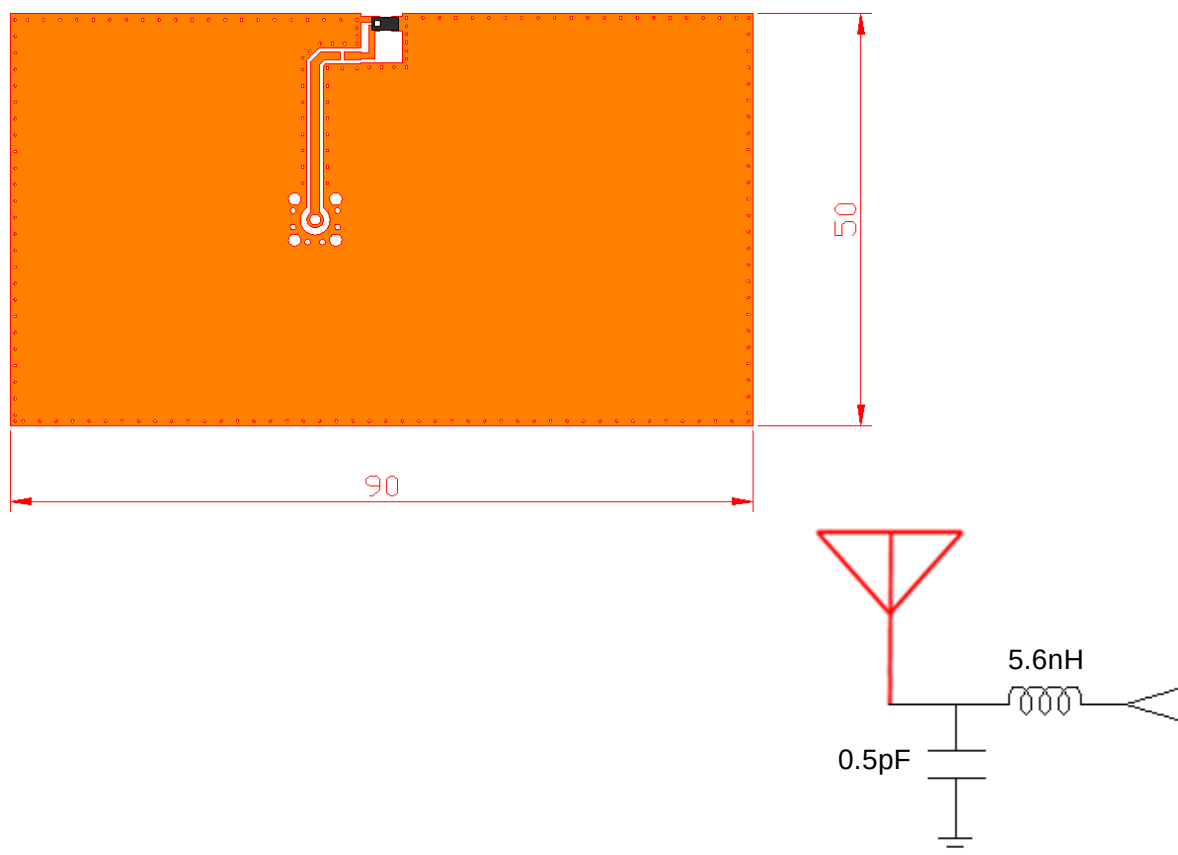
"GLEAD" Microwave Multi-Layer Ceramic Antenna LA series are designed to be used in WLAN、WiFi、Bluetooth、PHS、 Multiple-band Mobile phone antenna, FM, etc and compact size SMD chip design.

2. Antenna Type: Ceramic Antenna**3. Dimensions (Unit: mm)**

Specification



4. 测试电路和匹配电路 Evaluation Board and Matching Circuits

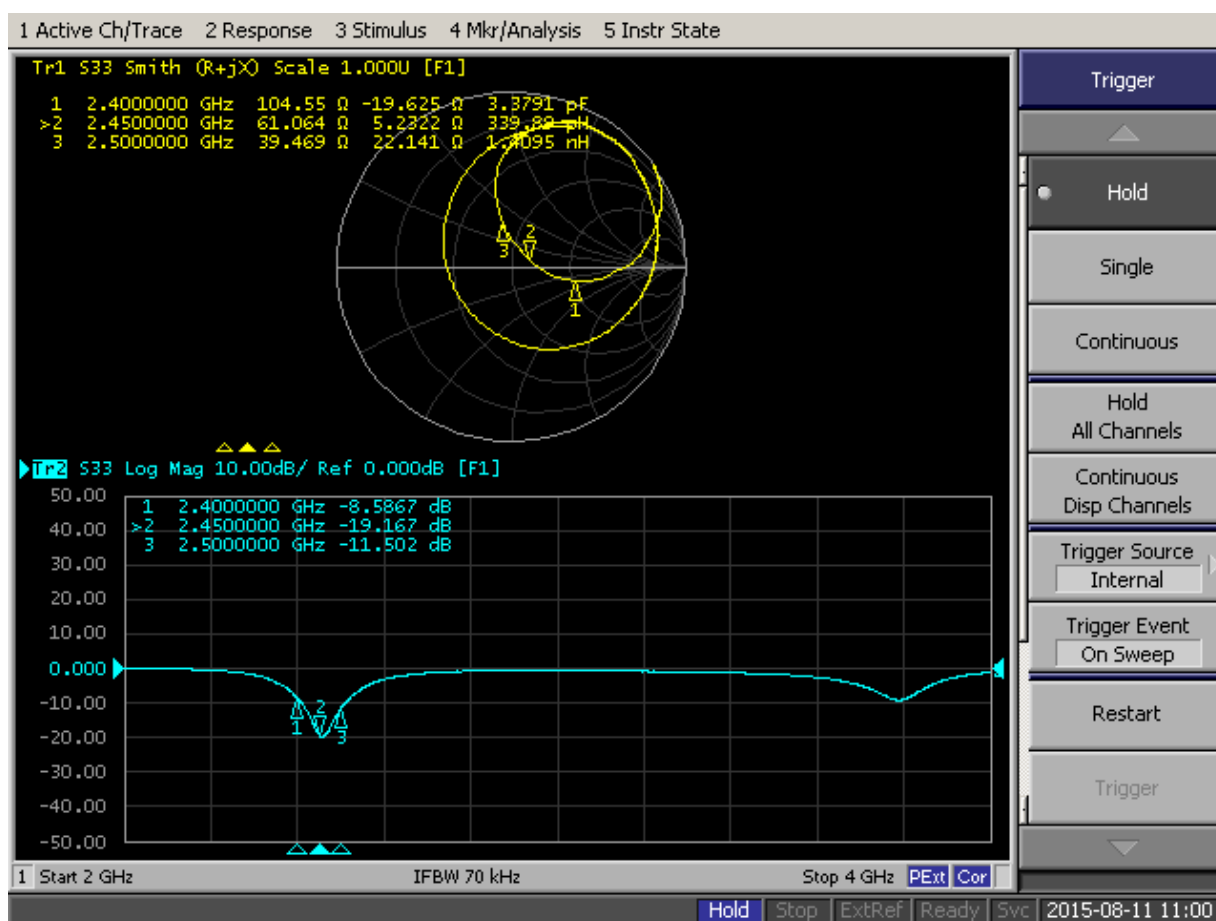


Specification

5. 电气性能 Electrical Characteristics

No.	Item (项目)	Specifications (特性)
5.1	Central Frequency 中心频率(No matching)	2545MHz
	(带匹配电路测试)After Matching	2450 MHz
5.2	Band Width 通带宽度	100 MHz typ.
5.3	Peak Gain 峰值增益	5.62 dBi
5.4	V.S.W.R (in BW) 驻波比	≤ 2.0
5.5	Polarization 极化方式	Linear 线性
5.6	Azimuth Beam width 方位角	Omni-directional 全向
5.7	Impedance 阻抗	50 Ω

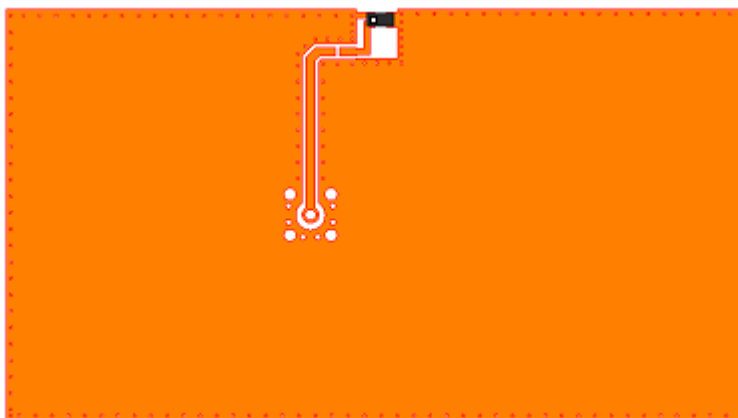
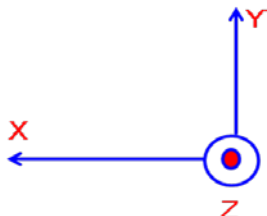
6. 特性曲线 Characteristic curve



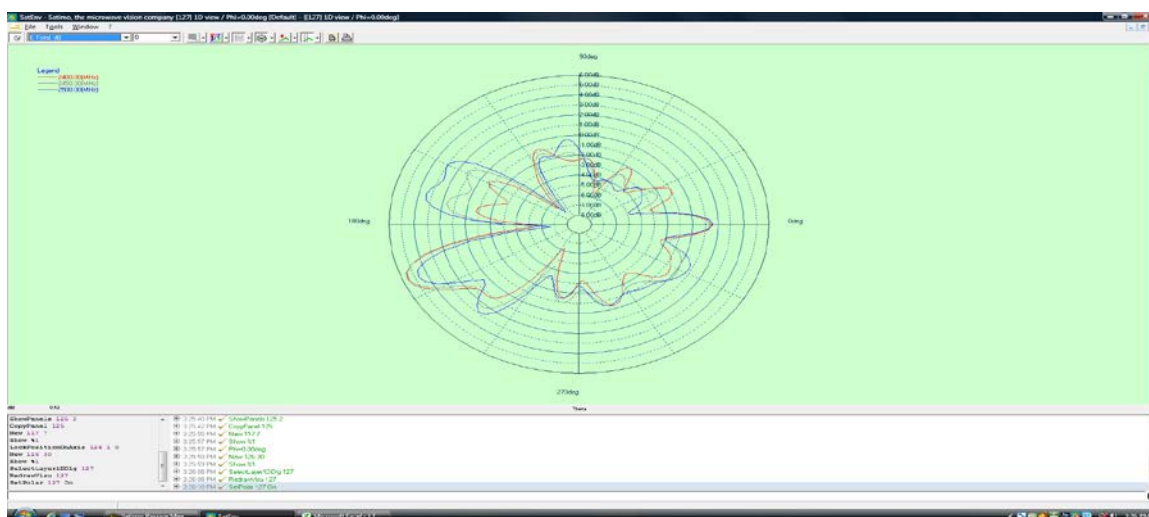
Specification

7. 方向图及效率 Radiation Pattern & Efficiency

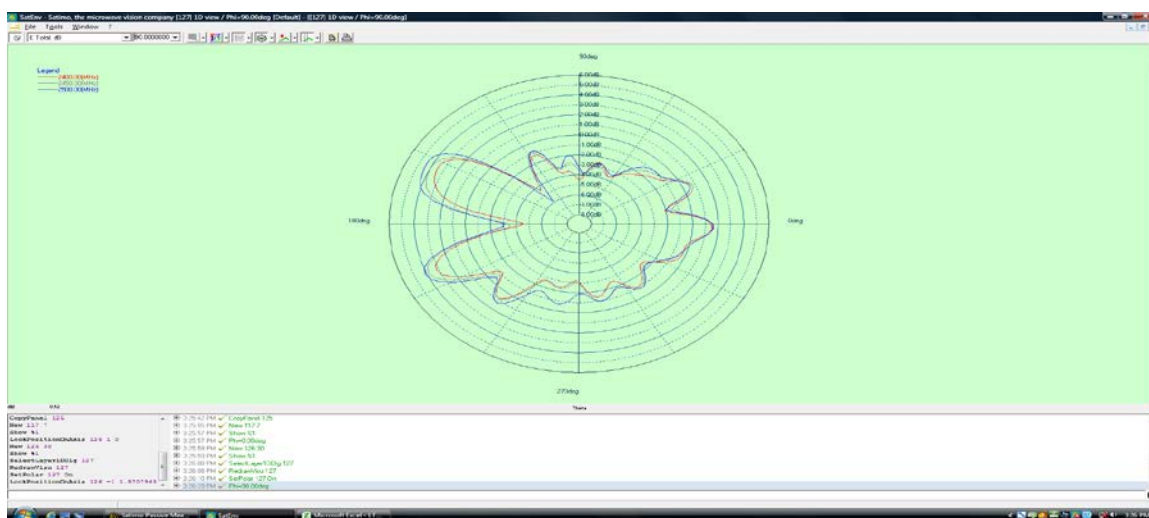
coordinates:



X-Z Plane

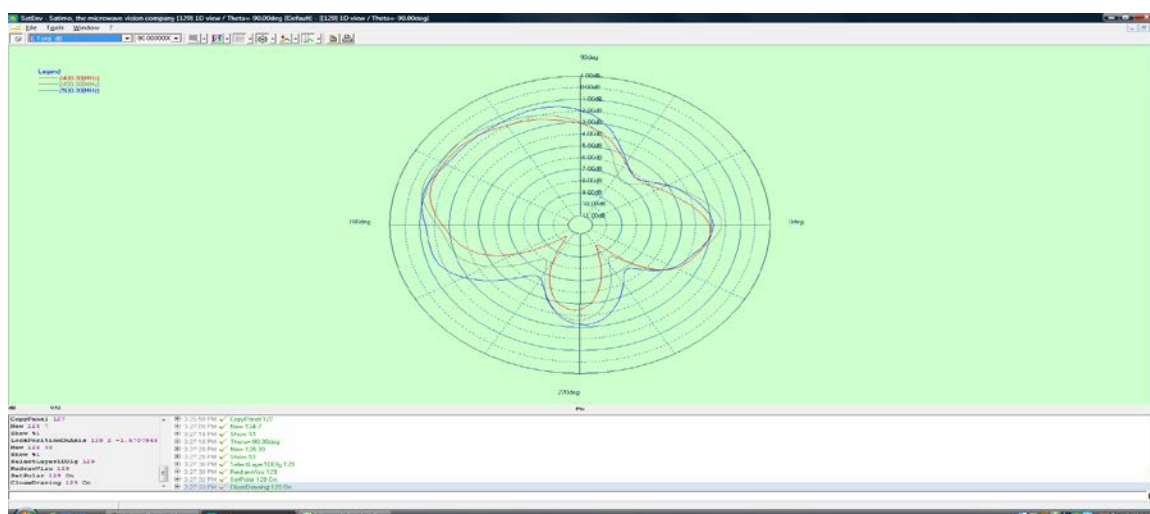


X-Y Plane

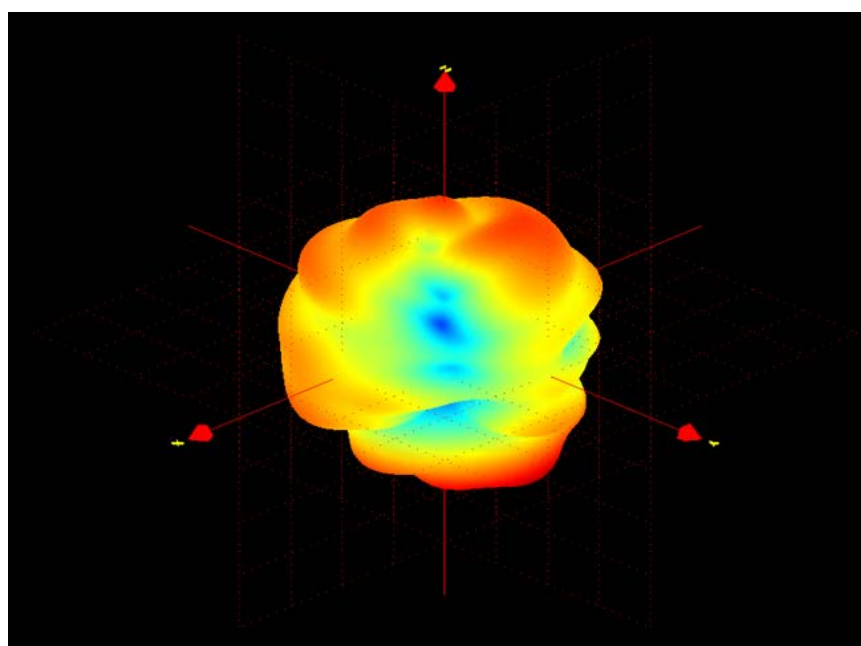


Specification

Y-Z Plane



3D Radiation Pattern



Frequency (MHz)	2400	2450	2500
Avg. Gain (dBi)	-1.56	-1.28	-1.15
Peck Gain (dBi)	5.62	5.54	4.48
Efficiency (%)	71.8	73.5	75.6