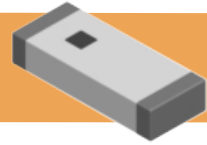


叠层片式天线—SLDA 系列

Multilayer Chip Antenna – SLDA Series



工作温度 Operating Temp

- ◆ -40℃ ~ +85℃

特征 Features

- ◆ 重量轻、结构紧密
- ◆ 带宽宽、低成本
- ◆ 高增益的内置天线
- ◆ Light weight, compact
- ◆ Wide bandwidth, low cost
- ◆ Built-in antenna with high gain

用途 Applications

- ◆ 蓝牙、Wi-Fi
- ◆ 家庭网络无线射频系统等
- ◆ Bluetooth, Wi-Fi
- ◆ Home RF system, etc.

产品型号 Product Identification

1	2	3	4	5	6
SLDA	92	-2R660G	-S1	T	F

1	分类 Type	
	SLDA	叠层片式天线 Multilayer Chip Antenna
4	系列代号 Series Code	
	S1, 01, etc.	
5	包装 Packing	
	T	编带 Tape & Reel
2	外形尺寸 (L×W) (mm) External Dimensions (L×W) (mm)	
	15	1.0×0.5
	18	1.6×0.8
	31	3.2×1.6
	52	5.2×2.1
	62	6.0×2.0
	72	7.0×2.0
	81	8.0×1.0
	86	8.0×6.0
	92	9.0×2.0
3	中心频率 Center Frequency	
	Example	NoMinal Value
	2R800G	2800.0MHz
	2R450G	2450.0MHz
6	无有害物质产品 Hazardous Substance Free Products	
	F	

外观和焊盘 Shape and Land Pattern

Type	Dimensions (mm)
Type: 31-2R450G-S1TF	Land Pattern (mm)

外观尺寸
Shape and
Dimensions

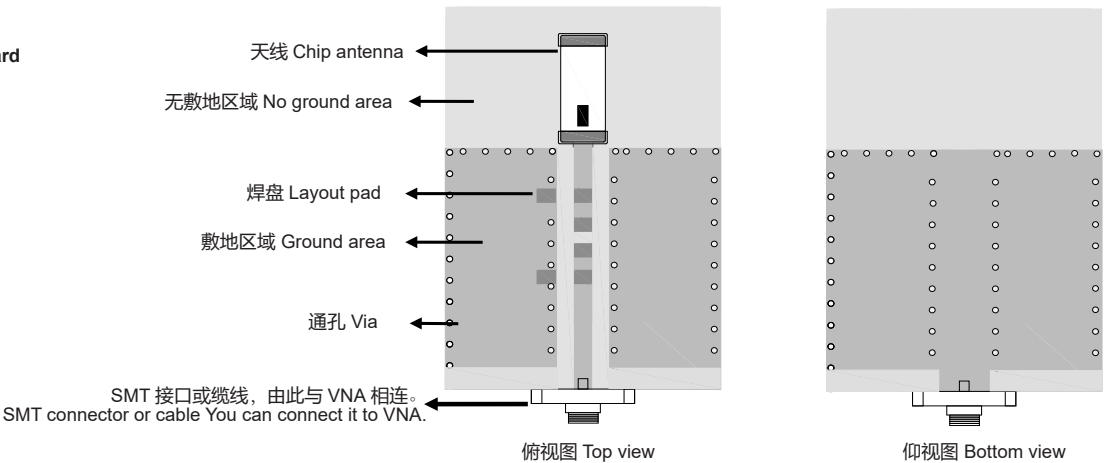
Series	A	B	C	D	E	F	G	H	I	J
SLDA15	1.00±0.1	0.5±0.1	0.4±0.05	0.25+0.1/-0.05	-	-	-	-	-	-
SLDA18	1.6±0.1	0.8±0.1	0.45±0.1	0.25±0.1	-	-	-	-	-	-
SLDA31	3.2±0.2	1.6±0.2	1.2±0.2	0.5±0.2	1.6±0.2	0.8±0.2	0.8±0.2	2.2±0.2	1.4	1.6±0.2
SLDA52	5.2±0.2	2.1±0.2	1.0±0.2	0.5±0.2	2.3±0.2	1.5±0.2	1.0±0.2	4.0±0.2	1.4	2.3±0.2
SLDA62	6.0±0.2	2.0±0.2	1.0±0.2	0.5±0.2	2.2±0.2	1.5±0.2	1.0±0.2	5.0±0.2	1.4	2.2±0.2
SLDA72	7.0±0.2	2.0±0.2	1.0±0.2	0.5±0.2	2.2±0.2	1.5±0.2	1.0±0.2	6.0±0.2	1.4	2.2±0.2
SLDA81	8.0±0.2	1.0±0.2	1.0±0.2	0.5±0.2	1.5±0.2	1.5±0.2	1.0±0.2	7.0±0.2	1.4	1.5±0.2
SLDA86	8.0±0.2	6.0±0.2	1.20±0.2	2.0±0.2	-	-	-	-	-	-
SLDA92	9.0±0.2	2.0±0.2	1.0±0.2	0.5±0.2	2.2±0.2	1.5±0.2	1.0±0.2	8.0±0.2	1.4	2.2±0.2

引脚定义
Terinal-
Configuration

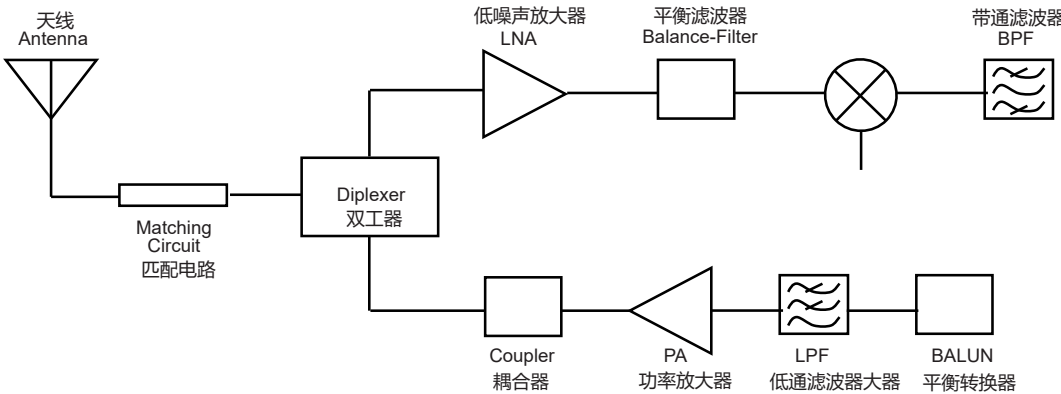


编号 No.	端头名称 TerMinal Name	编号 No.	端头名称 TerMinal Name
(1)	Feeding Point	(2)	NC

测试板
Evaluation Board



应用指南
Application Guide



规格特性 Specifications

SLDA15 TYPE

型号 Part Number	带宽 Band Width	增益 Peak Gain	平均增益 Average Gain	电压驻波比 VSWR	特征阻抗 Impedance	能量容量 Power Capacity
	MHz	V-XZ	V-XZ	In BW	Ω	W
SLDA15-2R450G-36TF	2400~2500	0.70dBi Typ.	-	<4	50	2

SLDA18 TYPE

型号 Part Number	带宽 Band Width	增益 Peak Gain	平均增益 Average Gain	电压驻波比 VSWR	特征阻抗 Impedance	能量容量 Power Capacity
	MHz	V-XZ	V-XZ	In BW	Ω	W
SLDA18-5R500G-36TF	2400~2484	-	-	4.0 Max.	50	2
	5150~5850			5.0 Max.		
SLDA18-5R500G-35TF	2400~2480	0.7 dBi Typ	-	4.0 Max.	50	2
	5150~5850	3.5 dBi Typ		2.1Max.		
SLDA18-2R450G-31TF	2400~2480	1.1dBi	-	<2	50	2
SLDA18-5R900G-36TF	5850~5925	2.2 dBi	-	<2	50	2

SLDA31 TYPE

型号 Part Number	带宽 Band Width	增益 Peak Gain	平均增益 Average Gain	电压驻波比 VSWR	特征阻抗 Impedance	能量容量 Power Capacity
	MHz	V-XZ	V-XZ	In BW	Ω	W
SLDA31-2R800G-S1TF	≥100	0.7 dBi Typ.	0.5dBi Typ.	<2	50	3
SLDA31-2R450G-S1TF	≥100	0.5dBi Typ.	-1dBi Typ.	<2	50	3
SLDA31-2R400G-S1TF	≥100	2.5dBi @ (XZ- total)	-1.5dBi @ (XZ-total)	<2	50	3
SLDA31-2R450G-S2TF	≥100	2.5dBi @ (XZ- total)	0.5dBi @ (XZ-total)	<2	50	3
SLDA31-2R450G-36TF	2400~2500	1.65 dBi	-	<2	50	3
SLDA31-6R050G-31TF	2400~2500	2.5dBi	-	<2	50	3
	4900~5850	1.4dBi	-			
	5850~7200	1.0dBi	-			
SLDA31-7R000G-31TF	5500~8500	3.5dBi	-	<2	50	3
SLDA31-1R600G-36TF	1565~1585	4.18 dBi	-	<2	50	3
SLDA31-2R200G-36TF	1565~1585	-0.5 dBi	-	<2.3	50	3
	2400~2500	0.5 dBi				

SLDA52 TYPE

型号 Part Number	带宽 Band Width	增益 Peak Gain	平均增益 Average Gain	电压驻波比 VSWR	特征阻抗 Impedance	能量容量 Power Capacity
	MHz	V-XZ	V-XZ	In BW	Ω	W
SLDA52-2R510G-S1TF	≥200	2.5dBi Typ.	0.5dBi Typ.	<2	50	3
SLDA52-2R540G-S1TF	≥200	2.5dBi Typ.	0.5dBi Typ.	<2	50	
SLDA52-2R450G-31TF	2400~2500	1.5 dBi	-	<2.6	50	3
SLDA52-2R450G-37TF	2400~2480	-2.2 dBi	-	<5	50	2
SLDA52-3R950G-31TF	3700~4200	-	-	<2	50	3

SLDA62 TYPE

型号 Part Number	带宽 Band Width	增益 Peak Gain	平均增益 Average Gain	电压驻波比 VSWR	特征阻抗 Impedance	能量容量 Power Capacity
	MHz	V-XZ	V-XZ	In BW	Ω	W
SLDA62-2R640G-01TF	≥200	2.6dBi Typ.	0.7dBi Typ.	<2	50	3

SLDA72 TYPE

型号 Part Number	带宽 Band Width	增益 Peak Gain	平均增益 Average Gain	电压驻波比 VSWR	特征阻抗 Impedance	能量容量 Power Capacity
	MHz	V-XZ	V-XZ	In BW	Ω	W
SLDA72-0R900G-31TF	858~928	-2.0dBi	-	<4	50	3
SLDA72-2R470G-S1TF	≥200	2.7dBi Typ.	1.0dBi Typ.	<2	50	3
SLDA72-2R450G-31TF	2400~2500	2.5dBi	-	<2.1	50	3

规格特性 Specifications

SLDA81 TYPE

型号 Part Number	带宽 Band Width	增益 Peak Gain	平均增益 Average Gain	电压驻波比 VSWR	特征阻抗 Impedance	能量容量 Power Capacity
	MHz	V-XZ	V-XZ	In BW	Ω	W
SLDA81-3R010G-S1TF	≥ 200	2.0dBi Typ.	0.5dBi Typ.	<2	50	3

SLDA86 TYPE

型号 Part Number	带宽 Band Width	增益 Peak Gain	平均增益 Average Gain	电压驻波比 VSWR	特征阻抗 Impedance	能量容量 Power Capacity
	MHz	V-XZ	V-XZ	In BW	Ω	W
SLDA86-5R250G-31TF	3300~7200	-	-	<4	50	3

SLDA92 TYPE

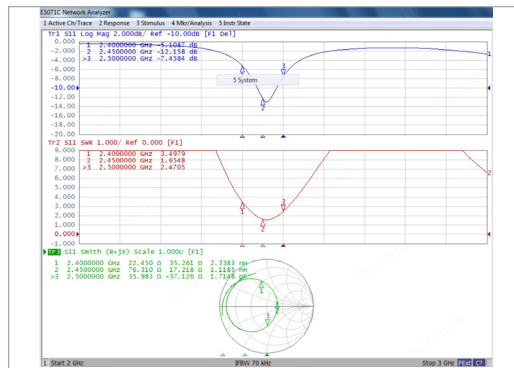
型号 Part Number	带宽 Band Width	增益 Peak Gain	平均增益 Average Gain	电压驻波比 VSWR	特征阻抗 Impedance	能量容量 Power Capacity
	MHz	V-XZ	V-XZ	In BW	Ω	W
SLDA92-2R660G-S1TF	≥ 200	3.85 dBi Typ.	1.0dBi Typ.	<2	50	3

※ 频率会随着 PCB 的布局而改变。请联系我们获取合适的设计。

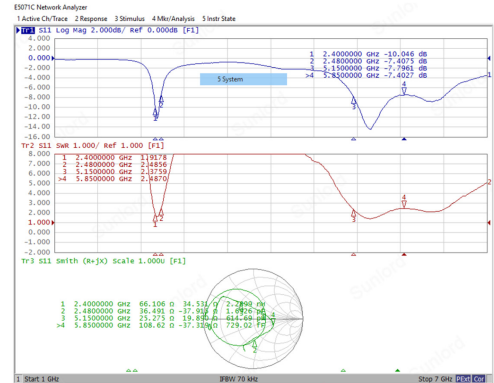
※ Frequency will be changed with layout of PCB. Please contact us for appropriate design.

阻抗匹配 Impedance Matching

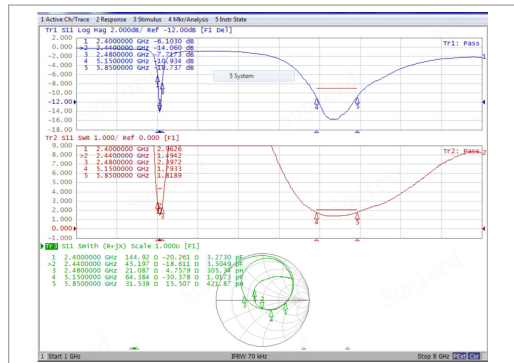
SLDA15-2R450G-36TF



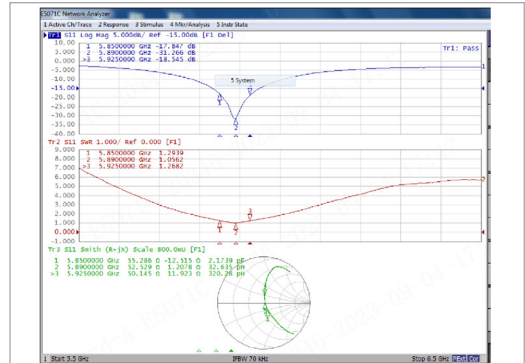
SLDA18-5R500G-36TF



SLDA18-5R500G-35TF

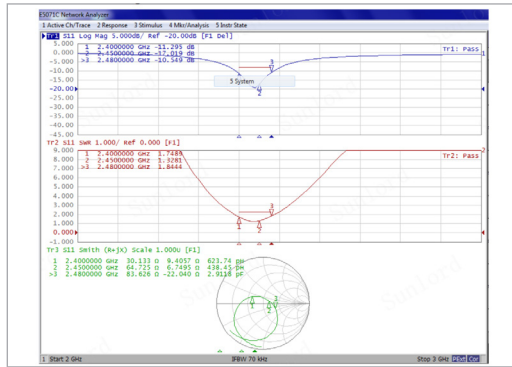


SLDA18-5R900G-36TF

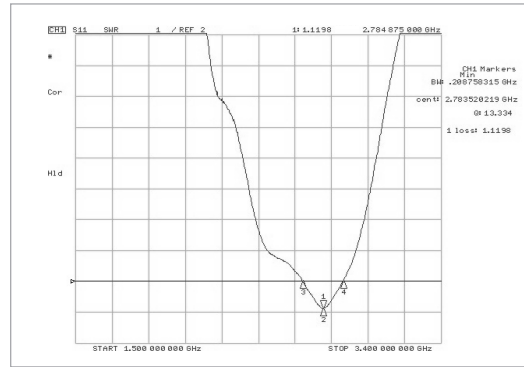


阻抗匹配 Impedance Matching

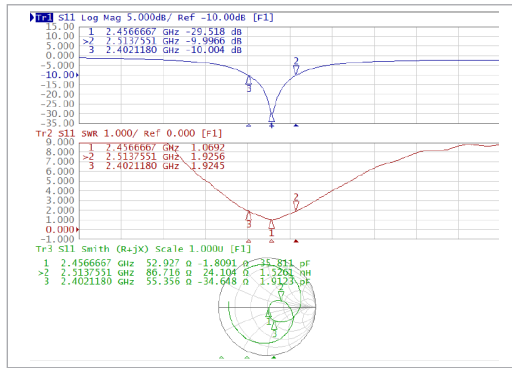
SLDA18-2R450G-31TF



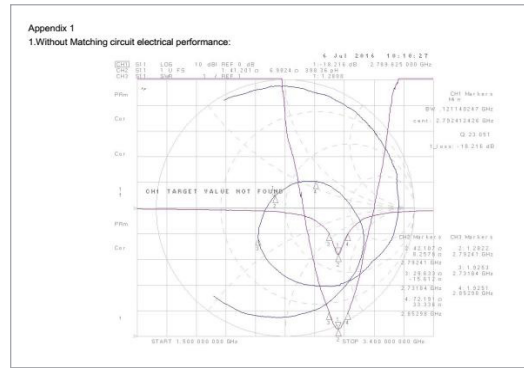
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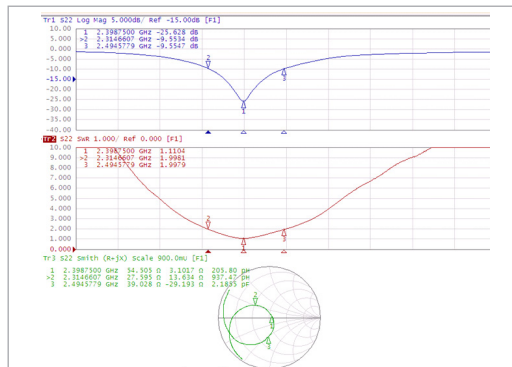
SLDA31-2R400G-S1TF



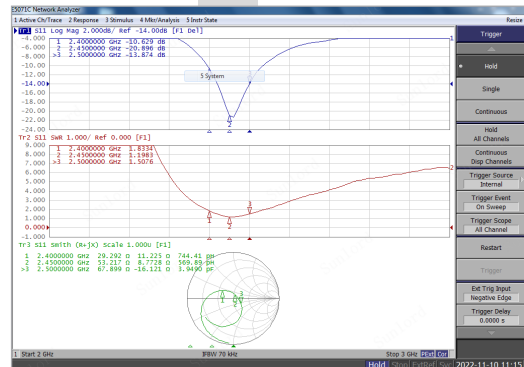
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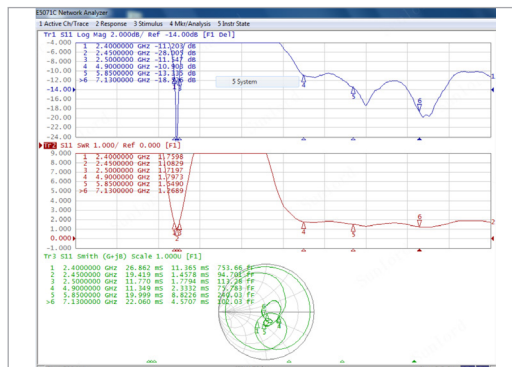
SLDA31-2R450G-S2TF



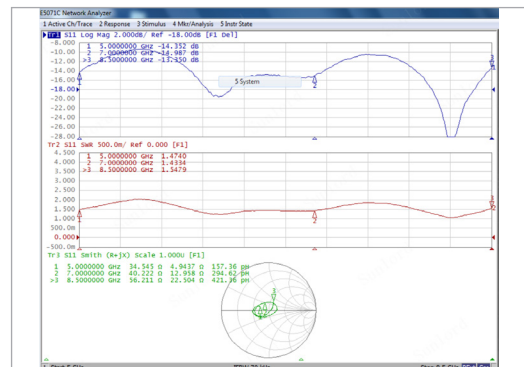
SLDA31-2R450G-36TF



SLDA31-6R050G-31TF

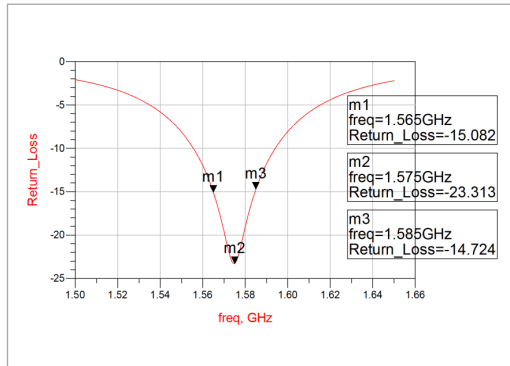


SLDA31-7R000G-31TF

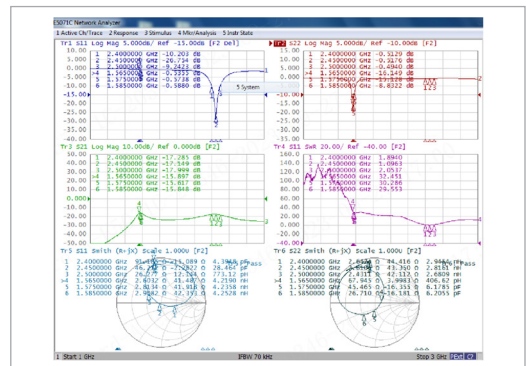


阻抗匹配 Impedance Matching

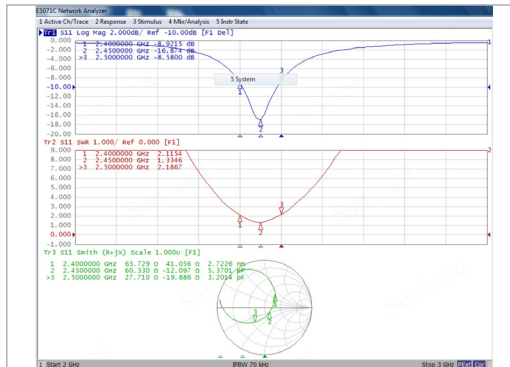
SLDA31-1R600G-36TF



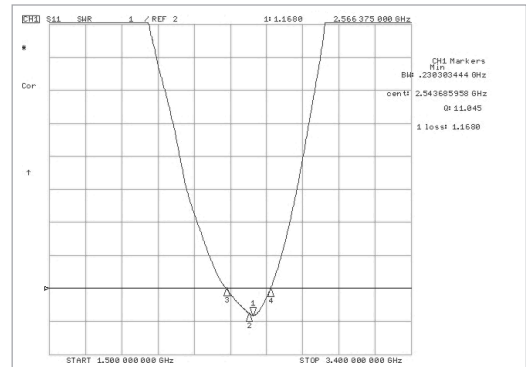
SLDA31-2R200G-36TF



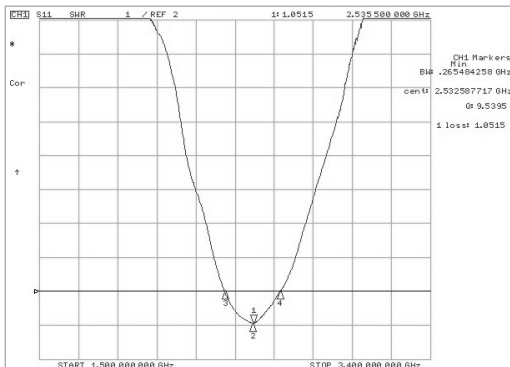
SLDA52-2R450G-31TF



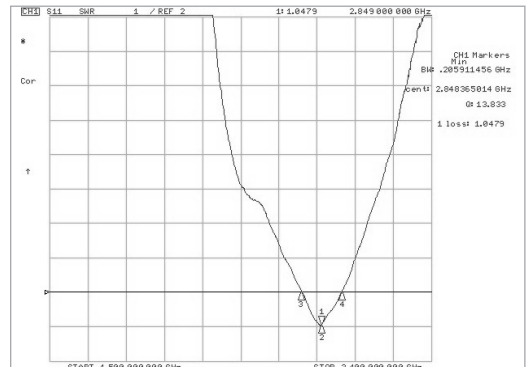
SLDA52-2R510G-S1TF



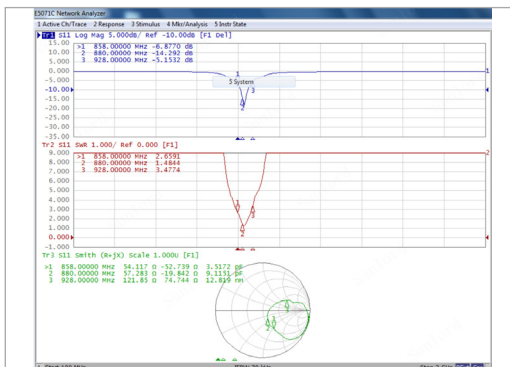
SLDA52-2R540G-S1TF



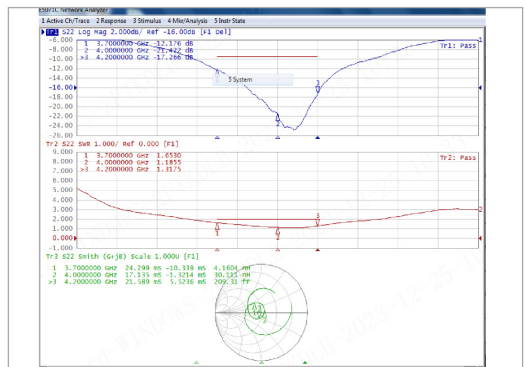
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SLDA52-2R450G-37TF

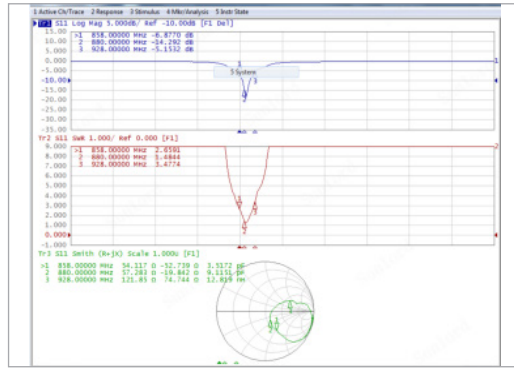


SLDA52-3R950G-31TF

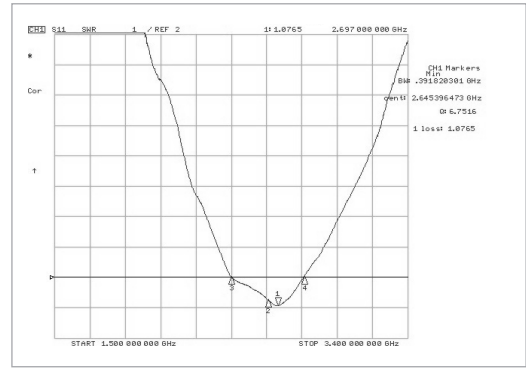


阻抗匹配 Impedance Matching

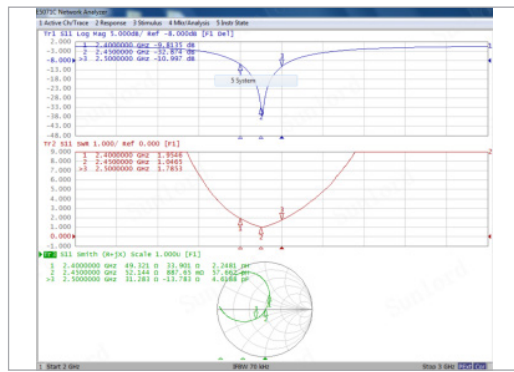
SLDA72-0R900G-31TF



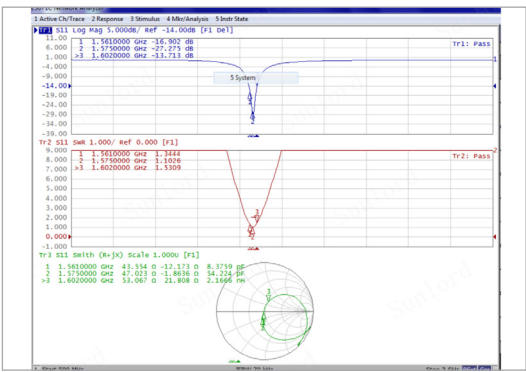
SLDA72-2R470G-S1TF



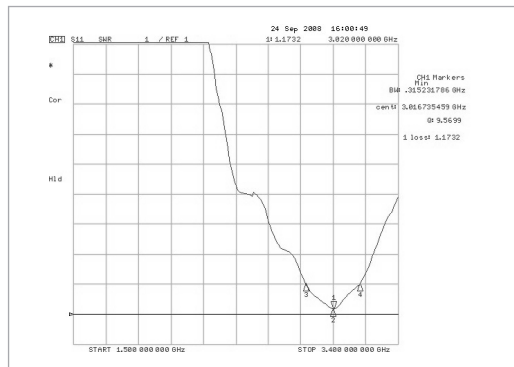
SLDA72-2R450G-31TF



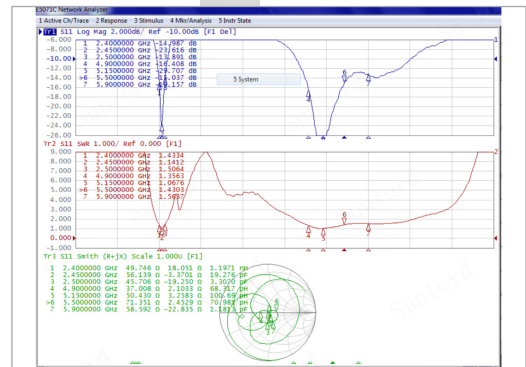
SLDA72-1R600G-31TF



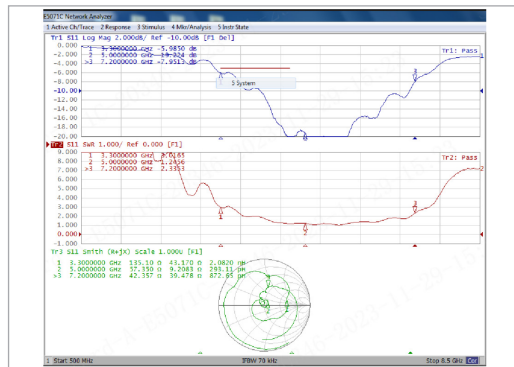
SLDA81-3R010G-S1TF



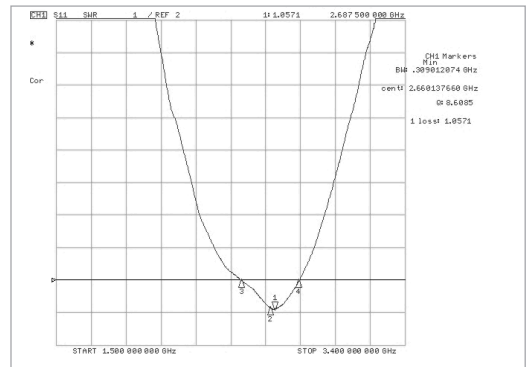
SLDA81-5R400G-35TF



SLDA86-5R250G-31TF



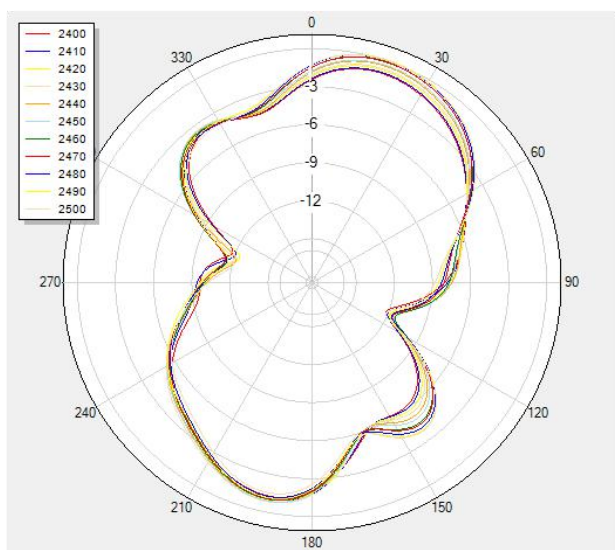
SLDA92-2R660G-S1TF



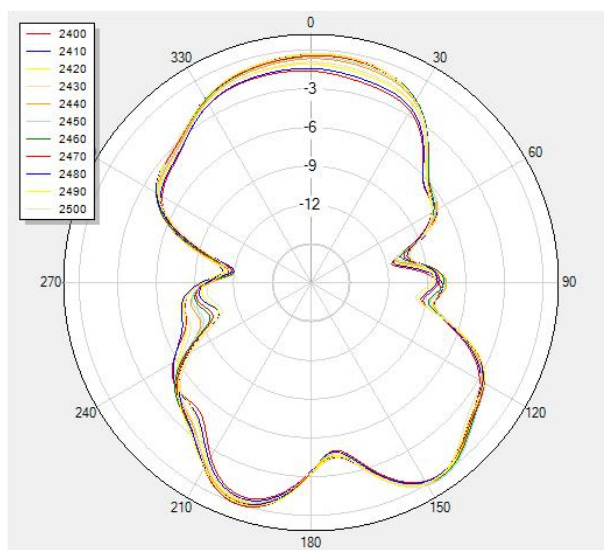
Gain SLDA92-2R660G-S1TF

频率/MHz	2400	2440	2500
增益/dBi	1.87	3.85	2.84
效率/%	57.64	62.12	64.93

H Theta=90



V Phi=90



V Phi=0

