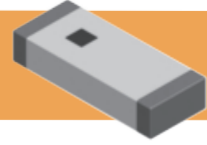


叠层片式天线—SLDA 系列

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

SLDA

2

31

3

-2R800G

4

-S1

5

T

6

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
103	10.0×3.2
106	10.0×6.0
124	12.0×4.0
154	15.0×4.0

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

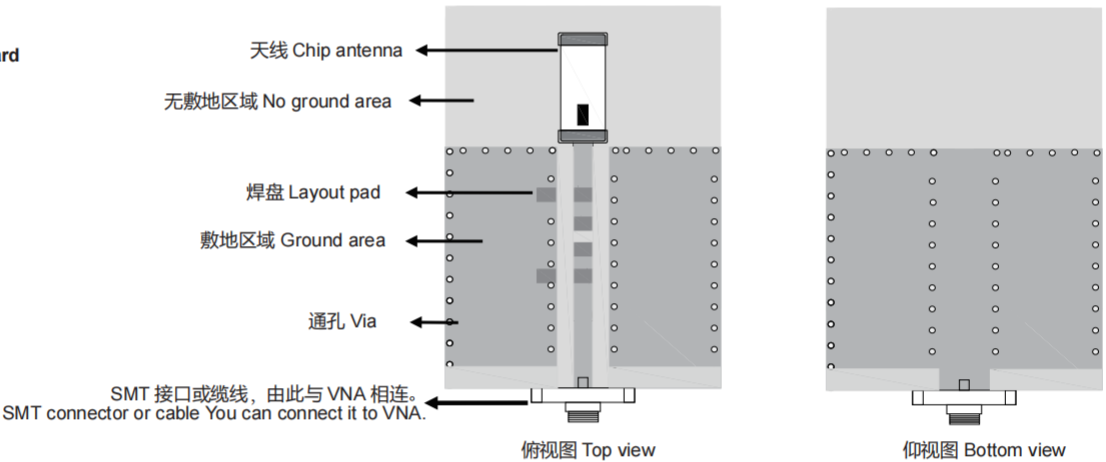
Series	A	B	C	D	E	F	G	H	I	J
SLDA15	1.00±0.1	0.5±0.1	0.4±0.05	0.25+0.1/-0.05	-	-	-	-	-	-
SLDA18	1.6±0.1	0.8±0.1	0.45±0.1	0.25±0.1	-	-	-	-	-	-
SLDA31	3.2±0.2	1.6±0.2	1.2±0.2	0.5±0.2	1.6±0.2	0.8±0.2	0.8±0.2	2.2±0.2	1.4	1.6±0.2
SLDA52	5.2±0.2	2.1±0.2	1.0±0.2	0.5±0.2	2.3±0.2	1.5±0.2	1.0±0.2	4.0±0.2	1.4	2.3±0.2
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
SLDA103	10.0±0.2	3.2±0.2	1.5±0.2	0.8±0.2	-	-	-	-	-	-
SLDA106	10.0±0.3	6.0±0.3	1.0±0.2	0.5±0.3	-	-	-	-	-	-
SLDA124	12.0±0.2	4.0±0.2	1.7±0.2	0.8±0.3						
SLDA154	15.0±0.2	4.0±0.2	1.5±0.2	1.0±0.3	-	-	-	-	-	-

引脚定义
Terinal-Configuration

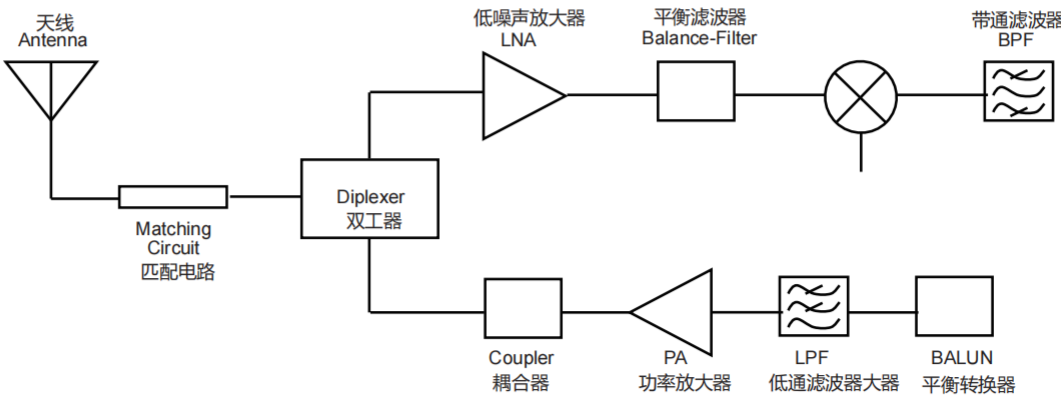


编号 No.	端头名称 TerMinal Name	编号 No.	端头名称 TerMinal Name
(1)	Feeding Point	(2)	NC

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	0.85dBi Typ.	-1.5dBi 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	0.5dBi Typ.	-1dBi 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	3.0dBi Typ.	1.0dBi Typ.	<2	50	3

SLDA103 YPE

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
SLDA103-1R600G-35TF	1561~1602	1.5 dBi	-	<2.1	50	2
	2400~2500	1.5 dBi		<4		

SLDA106 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
SLDA106-7R000G-31TF	3100~10300	2.2dBi	-.	<2.2	50	3

SLDA124 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
SLDA124-0R433G-31TF	428~438	-	-	<2.2	50	3
SLDA124-0R868G-31TF	858~878	-	-	<2.3	50	3
SLDA124-0R915G-31TF	910~926	-	-	<2	50	3

SLDA154 TYPE

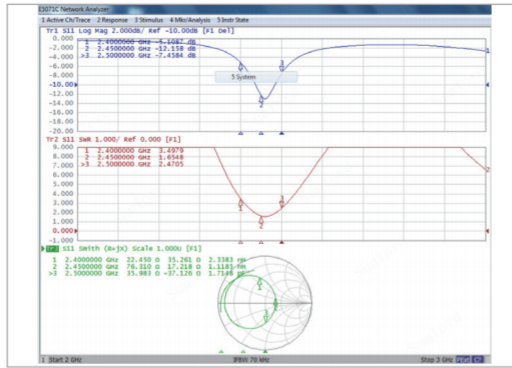
型号 Part Number	带宽 Band Width	增益 Peak Gain	平均增益 Average Gain	电压驻波比 VSWR	特征阻抗 Impedance	能量容量 Power Capacity
	MHz	V-XZ	V-XZ	In BW	Ω	W
SLDA154-2R200G-31TF	700~800 MHz 1700~2100 MHz	2.0dBi.	-1.6dBi	<2	50	3
	824~960 MHz 1710~2690 MHz	2.0dBi	-1.0dBi			

※ 频率会随着 PCB 的布局而改变。请联系我们获取合适的设计。

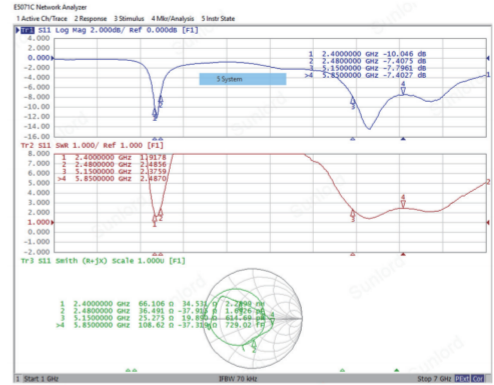
※ Frequency will be changed with layout of PCB. Please contact us for appropriate design.

阻抗匹配 Impedance Matching

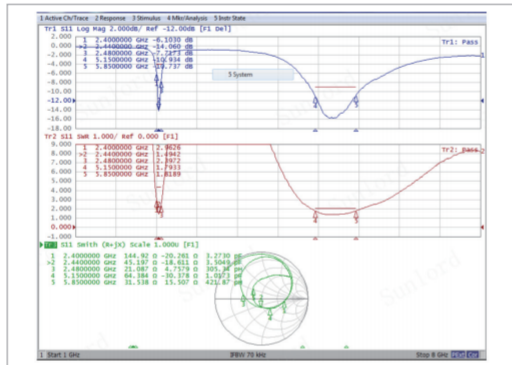
SLDA15-2R450G-36TF



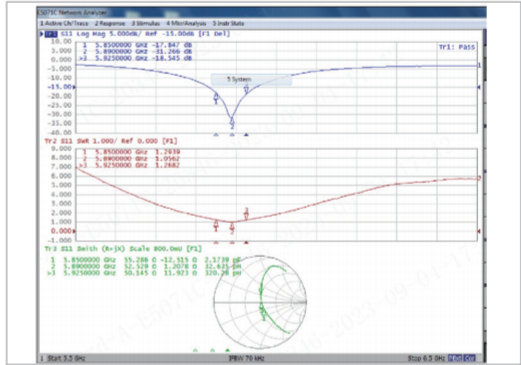
SLDA18-5R500G-36TF



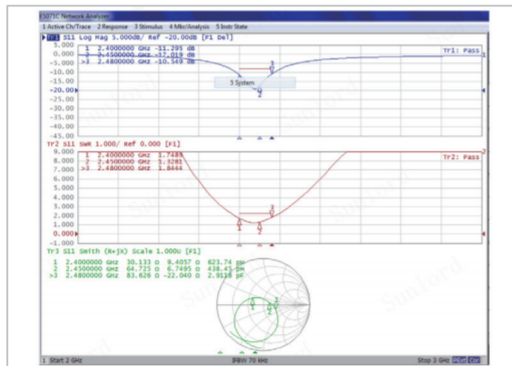
SLDA18-5R500G-35TF



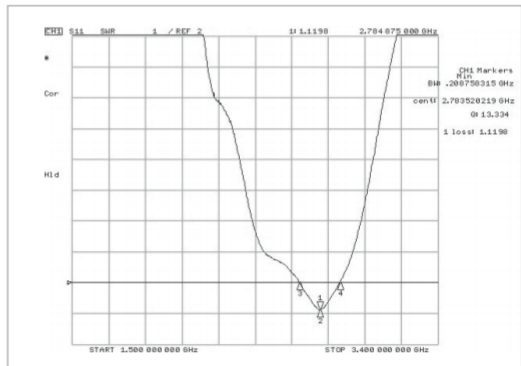
SLDA18-5R900G-36TF



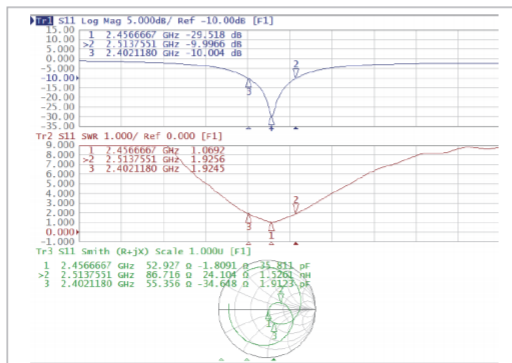
SLDA18-2R450G-31TF



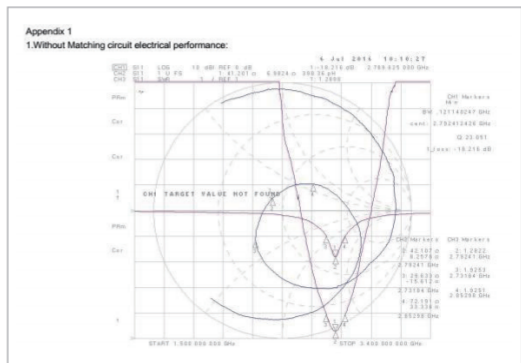
SLDA31-2R800G-S1TF



SLDA31-2R400G-S1TF

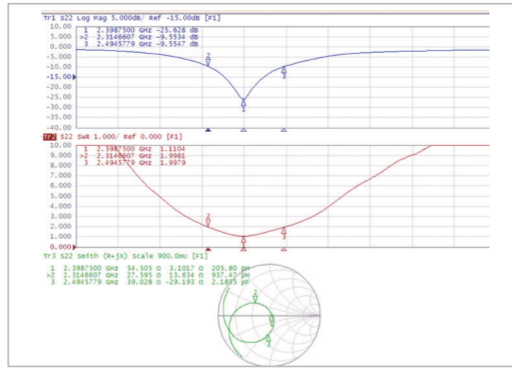


SLDA31-2R450G-S1TF

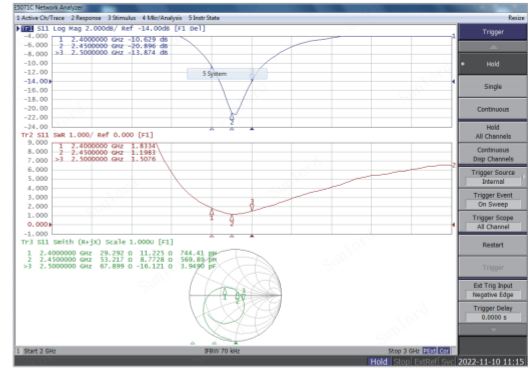


阻抗匹配 Impedance Matching

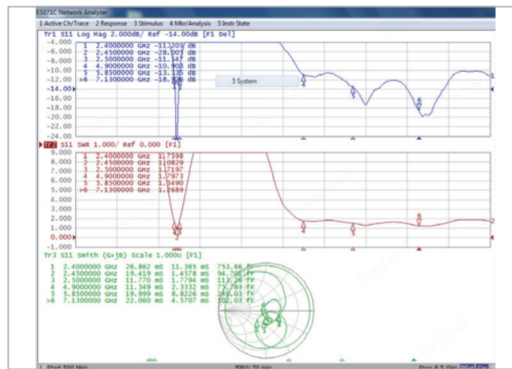
SLDA31-2R450G-S2TF



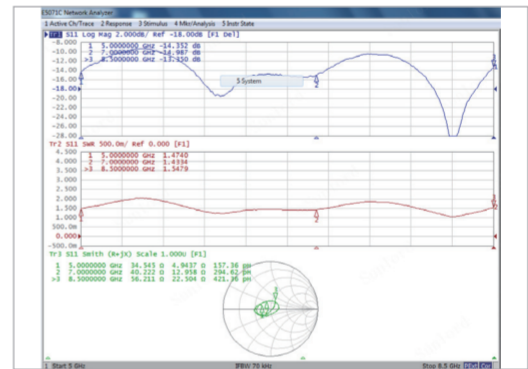
SLDA31-2R450G-36TF



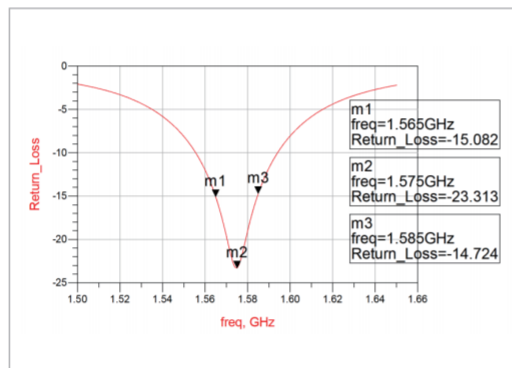
SLDA31-6R050G-31TF



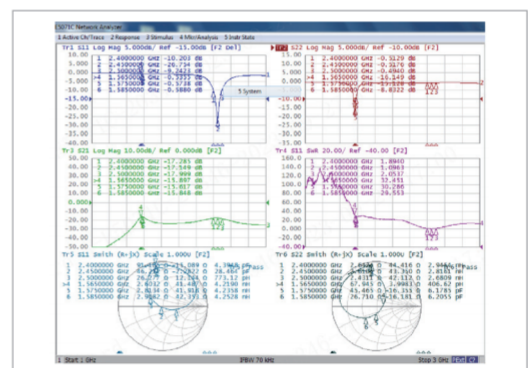
SLDA31-7R000G-31TF



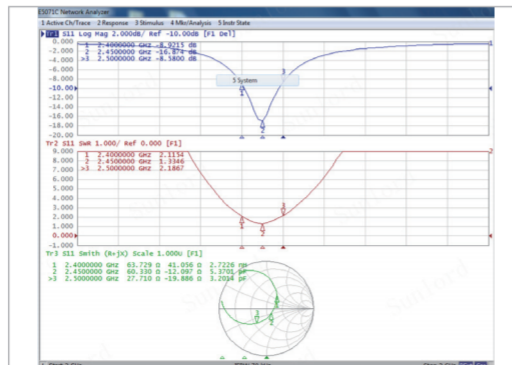
SLDA31-1R600G-36TF



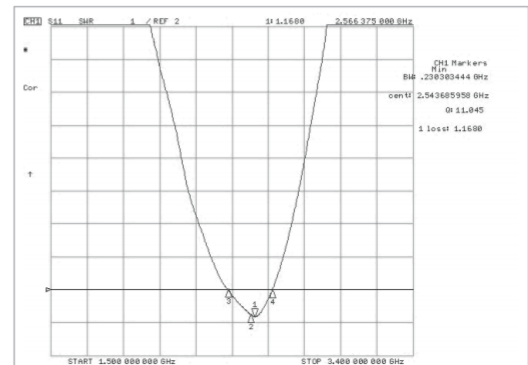
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SLDA52-2R450G-31TF

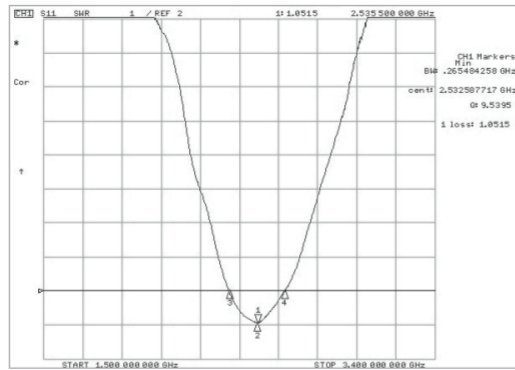


SLDA52-2R510G-S1TF

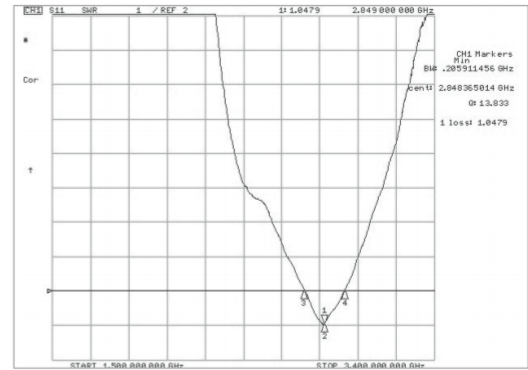


阻抗匹配 Impedance Matching

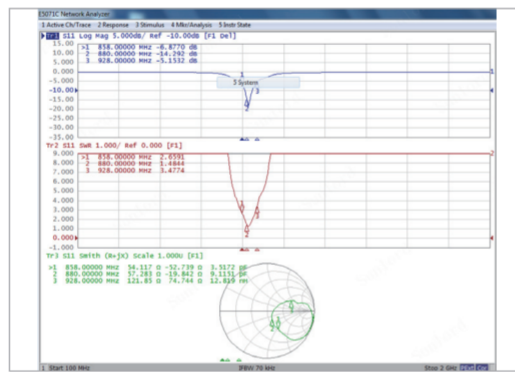
SLDA52-2R540G-S1TF



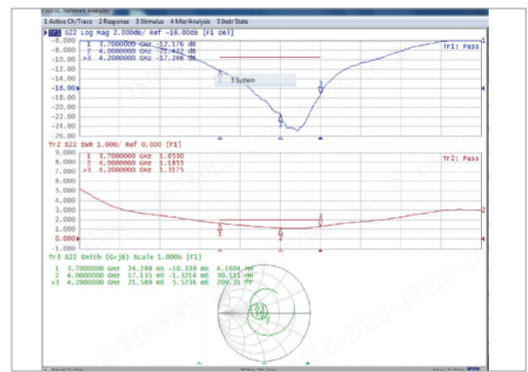
SLDA62-2R640G-01TF



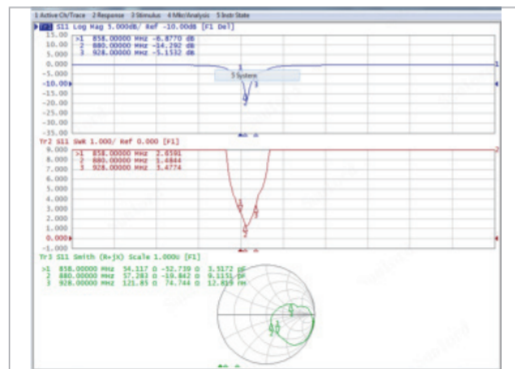
SLDA52-2R450G-37TF



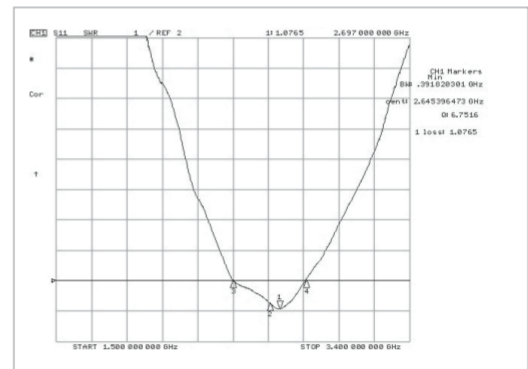
SLDA52-3R950G-31TF



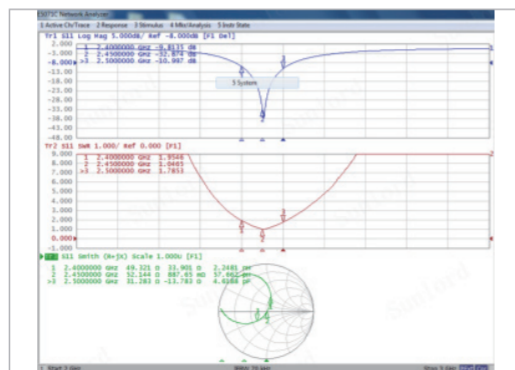
SLDA72-0R900G-31TF



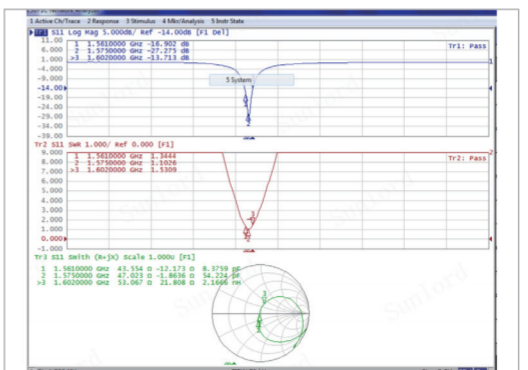
SLDA72-2R470G-S1TF



SLDA72-2R450G-31TF

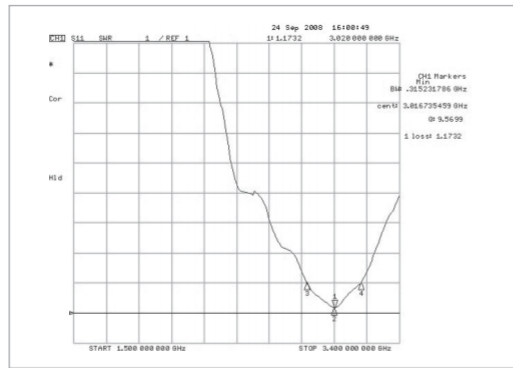


SLDA72-1R600G-31TF

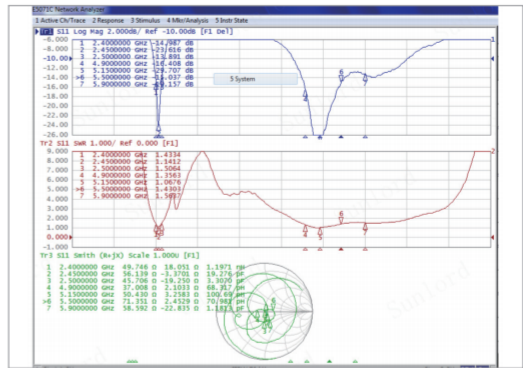


阻抗匹配 Impedance Matching

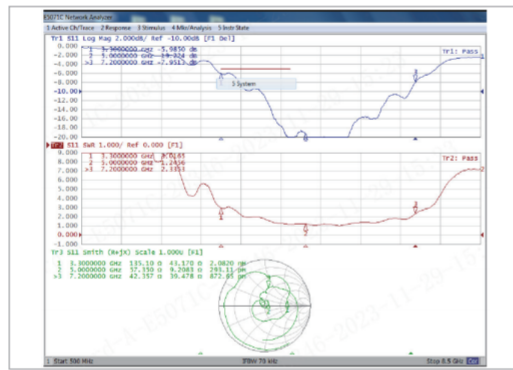
SLDA81-3R010G-S1TF



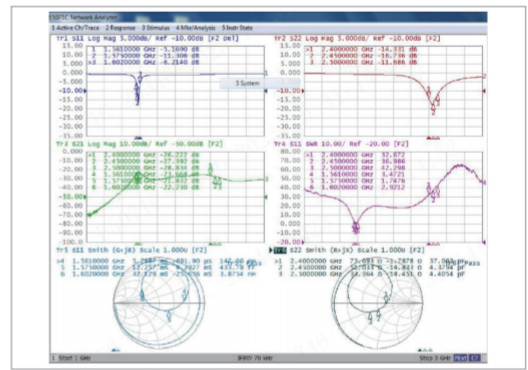
SLDA81-5R400G-35TF



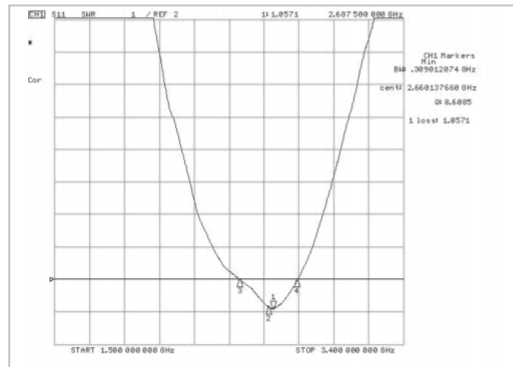
SLDA86-5R250G-31TF



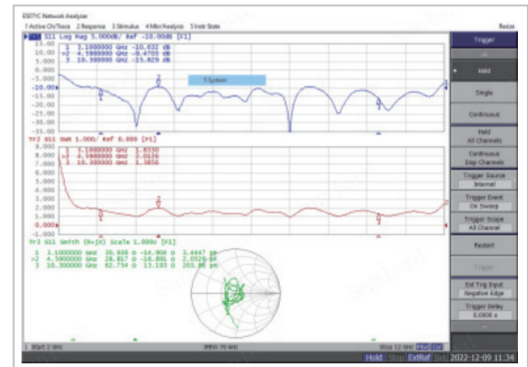
SLDA103-1R600G-35TF



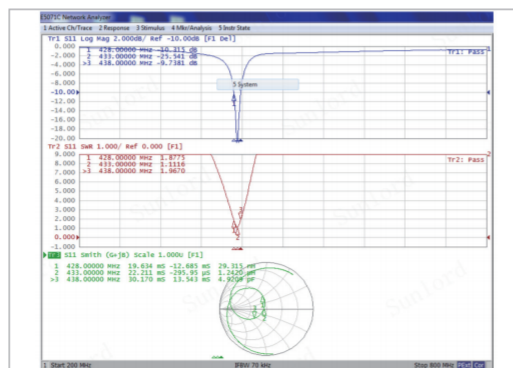
SLDA92-2R660G-S1TF



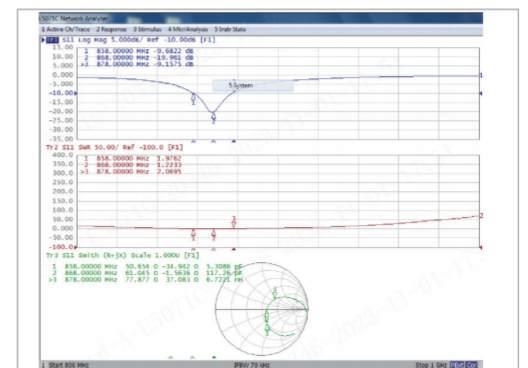
SLDA106-7R000G-31TF



SLDA124-0R433G-31TF



SLDA124-0R868G-31TF



阻抗匹配 Impedance Matching

SLDA124-0R915G-31TF

