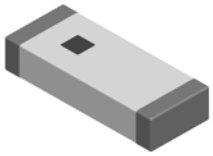
叠层片式天线—SLDA 系列
Multilayer Chip Antenna – SLDA Series

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、无线局域网、移动电视
- 家庭网络无线射频系统等
- 射频识别

- Bluetooth, Wireless LAN, Mobile TV
- Home RF system, etc
- RFID

产品型号 PRODUCT IDENTIFICATION

SLDA	31	-2R800G	-S1	T	F
①	②	③	④	⑤	⑥

①

分类 Type	
SLDA	叠层片式天线 Multilayer Chip Antenna

②

外形尺寸(L×W) (mm) External Dimensions (L×W) (mm)	
21	2.0×1.2
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
92	9.0×2.0
16030	16.0×3.0
35050	35.0×5.0
50040	50.0×4.0

③

中心频率 Center Frequency	
Example	Nominal Value
2R800G	2800.0MHz
2R470G	2470.0MHz
0R650G	650.0MHz

④

系列代号 Series Code
S1, 01, etc.

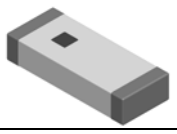
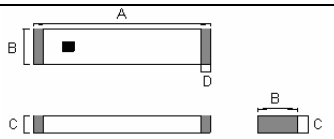
⑤

包装 Packing	
T	编带 Tape & Reel

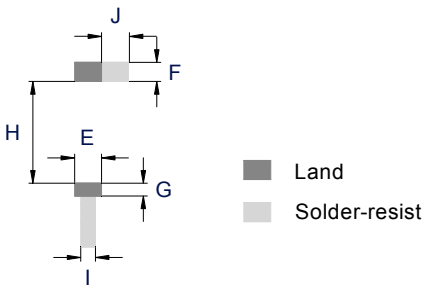
⑥

无有害物质产品 Hazardous Substance Free Products
F

外观尺寸 SHAPE AND DIMENSIONS

Type:	Dimensions (mm)
	

Land Pattern (mm)



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外观尺寸 SHAPE AND DIMENSIONS

Series	A	B	C	D	E	F	G	H	I	J
SLDA21	2.0±0.2	1.25±0.2	0.85±0.2	0.5±0.2	1.3±0.2	1.0±0.2	0.8±0.2	1.0±0.2	1.4	1.3±0.2
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	2.6±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
SDLA62	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
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
SLDA16030	16.0±0.4	3.0±0.2	2.0±0.2	0.5±0.2	3.2±0.2	1.5±0.2	1.0±0.2	15.0±0.2	1.4	3.2±0.2
SLDA35050	35.0±0.2	5.0±0.2	1.0±0.2	1.0±0.2	5.2±0.2	1.5±0.2	1.0±0.2	33.0±0.2	1.4	5.2±0.2
SLDA50040	50.0±0.5	4.0±0.5	1.0±0.2	1.0±0.2	4.2±0.2	1.5±0.2	1.0±0.2	48.0±0.2	1.4	4.2±0.2

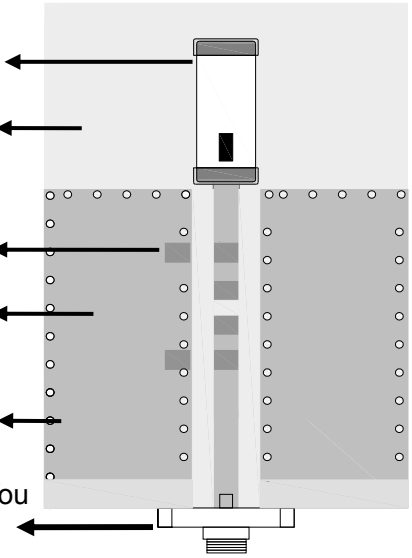
引脚定义 TERINAL-CONFIGURATION

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

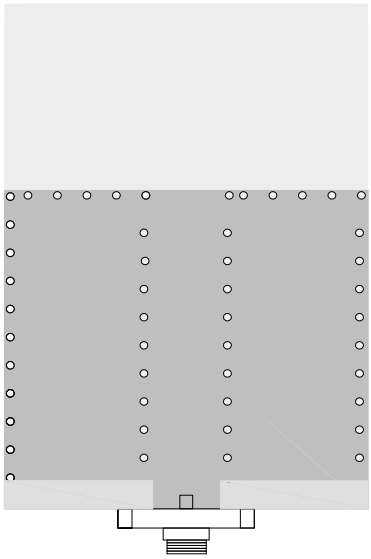
测试板 EVALUATION BOARD

Chip antenna
天线
No ground area
无敷地区域
Layout pad
焊盘
Ground area
敷地区域
Via 通孔

SMT connector or cable You can connect it to VNA.
SMT 接口或缆线，由此与 VNA 相连。

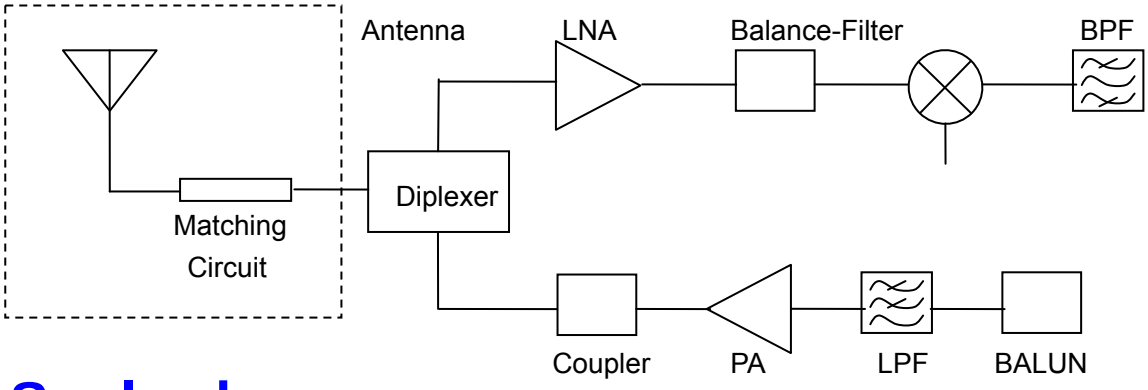


Top view 俯视图



Bottom view 仰视图

应用指南 APPLICATION GUIDE



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规格特性 SPECIFICATIONS

SLDA21 TYPE

Part Number 型号	Band Width 带宽	Peak Gain 增益	Average Gain 平均增益	VSWR 电压驻波比	Impedance 特征阻抗	Power Capacity 能量容量
	MHz	V-XZ	V-XZ	In BW	Ω	W
SLDA21-2R450G-S1TF	≥100	-3.0dBi Typ.	-8.0dBi Typ.	<2.5	50	3

SLDA31 TYPE

Part Number 型号	Band Width 带宽	Peak Gain 增益	Average Gain 平均增益	VSWR 电压驻波比	Impedance 特征阻抗	Power Capacity 能量容量
	MHz	V-XZ	V-XZ	In BW	Ω	W
SLDA31-2R800G-S1TF	≥100	0.5dBi Typ.	-1dBi Typ.	<2	50	3

SLDA52 TYPE

Part Number 型号	Band Width 带宽	Peak Gain 增益	Average Gain 平均增益	VSWR 电压驻波比	Impedance 特征阻抗	Power Capacity 能量容量
	MHz	V-XZ	V-XZ	In BW	Ω	W
SLDA52-2R350G-S1TF	≥150	2.5dBi Typ.	0.5dBi Typ.	<2	50	3
SLDA52-2R510G-S1TF	≥200	2.5dBi Typ.	0.5dBi Typ.	<2	50	
SLDA52-2R540G-S1TF	≥200	2.5dBi Typ.	0.5dBi Typ.	<2	50	
SLDA52-2R710G-S1TF	≥200	2.5dBi Typ.	0.5dBi Typ.	<2	50	
SLDA52-2R780G-S1TF	≥200	2.5dBi Typ.	0.5dBi Typ.	<2	50	

SLDA62 TYPE

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

SLDA72 TYPE

Part Number 型号	Band Width 带宽	Peak Gain 增益	Average Gain 平均增益	VSWR 电压驻波比	Impedance 特征阻抗	Power Capacity 能量容量
	MHz	V-XZ	V-XZ	In BW	Ω	W
SLDA72-2R470G-S1TF	≥200	2.7dBi Typ.	1.0dBi Typ.	<2	50	3
SLDA72-2R860G-02TF	≥200	2.7dBi Typ.	1.0dBi Typ.	<2	50	

SLDA81 TYPE

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

SLDA92 TYPE

Part Number 型号	Band Width 带宽	Peak Gain 增益	Average Gain 平均增益	VSWR 电压驻波比	Impedance 特征阻抗	Power Capacity 能量容量
	MHz	V-XZ	V-XZ	In BW	Ω	W
SLDA92-2R660G-S1TF	≥200	3.0dBi Typ.	1.0dBi Typ.	<2	50	3

SLDA16030 TYPE

Part Number 型号	Band Width 带宽	Peak Gain 增益		VSWR 电压驻波比	Impedance 特征阻抗	Power Capacity 能量容量
	MHz	V-XZ		In BW	Ω	W
SLDA16030-0R433G-S1TF	≥20	3.0dBi Typ.	1.0dBi Typ.	<2	50	3

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规格特性 SPECIFICATIONS

SLDA35050 TYPE

Part Number 型号	Band Width 带宽	Peak Gain 增益		VSWR 电压驻波比	Impedance 特征阻抗	Power Capacity 能量容量
	MHz	V-XZ		In BW	Ω	W
SLDA35050-0R650G-S1TF	≥50	-2.0dBi Typ. (710MHz)	-7.0dBi Typ. (474MHz)	<3	50	3

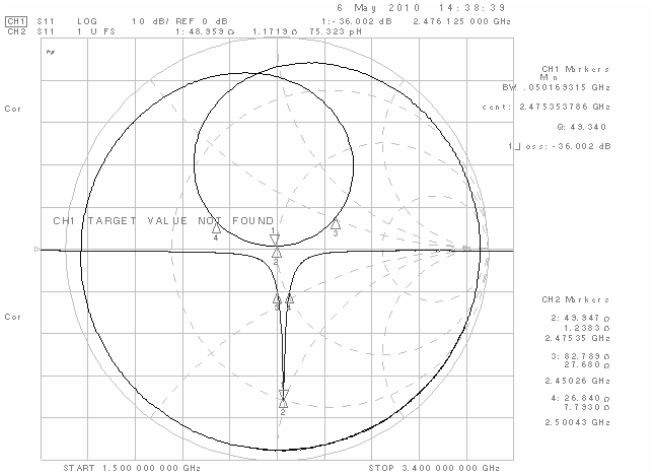
SLDA50040 TYPE

Part Number 型号	Band Width 带宽	Peak Gain 增益		VSWR 电压驻波比	Impedance 特征阻抗	Power Capacity 能量容量
	MHz	V-XZ		In BW	Ω	W
SLDA50040-0R650G-S1TF	474-862	-6.0 dBi (862 MHz).	-3.0 dBi (474 MHz)	<5	50	3

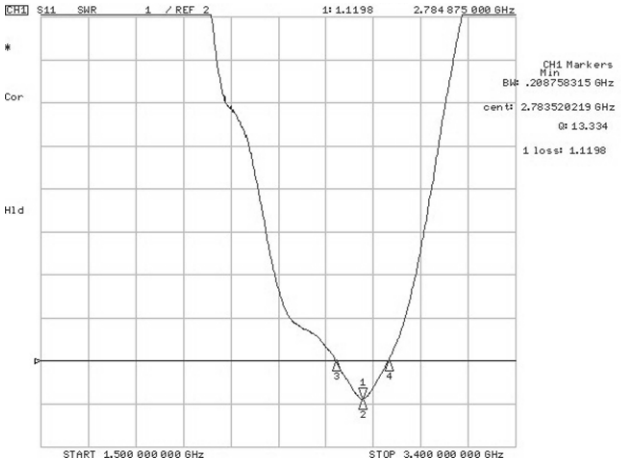
※Frequency will be changed with layout of PCB. Please contact us for appropriate design.

反射损耗 RETURN LOSS

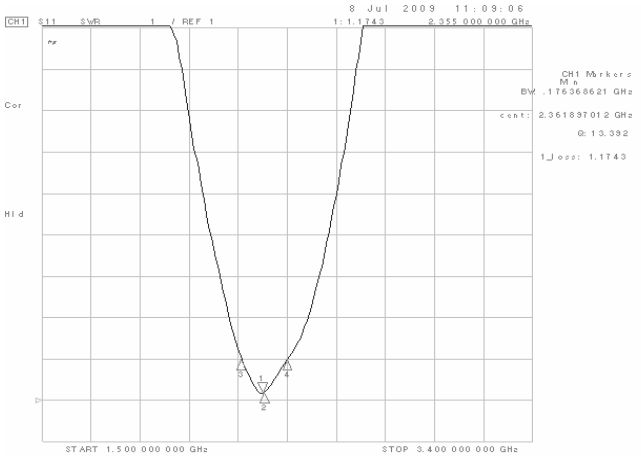
SLDA21-2R450G-S1TF



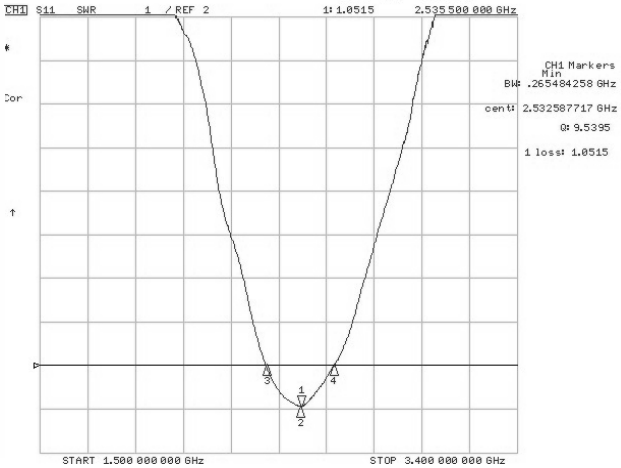
SLDA31-2R800G-S1TF



SLDA52-2R350G-S1TF



SLDA52-2R510G-S1TF



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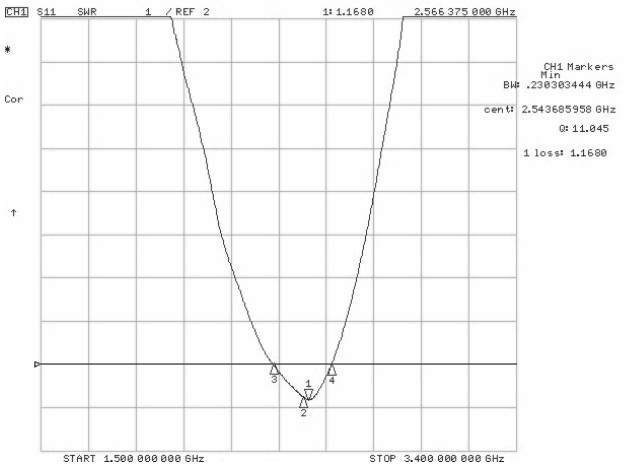
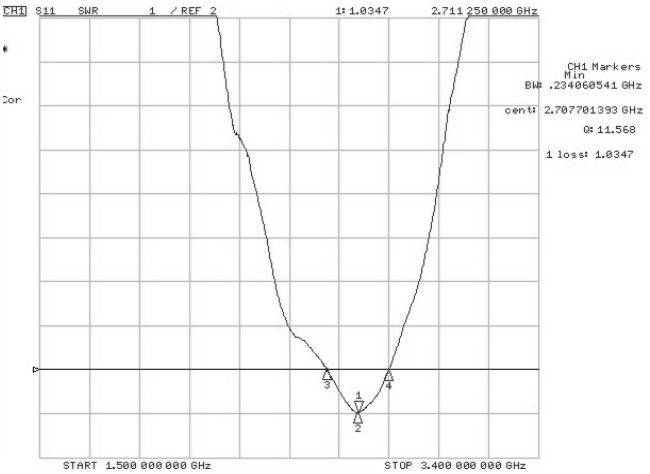
反射损耗 RETURN LOSS

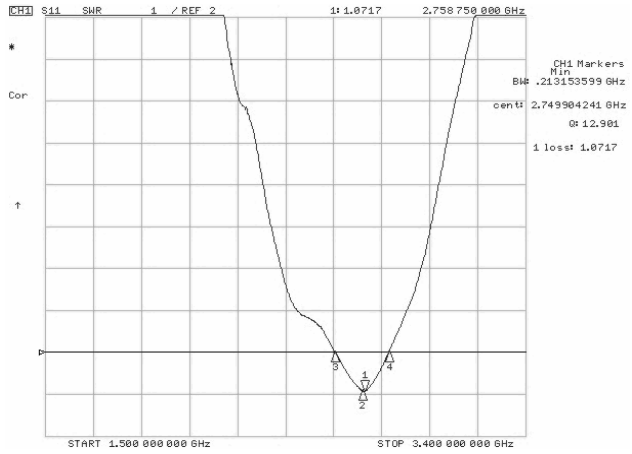
SLDA52-2R540G-S1TF



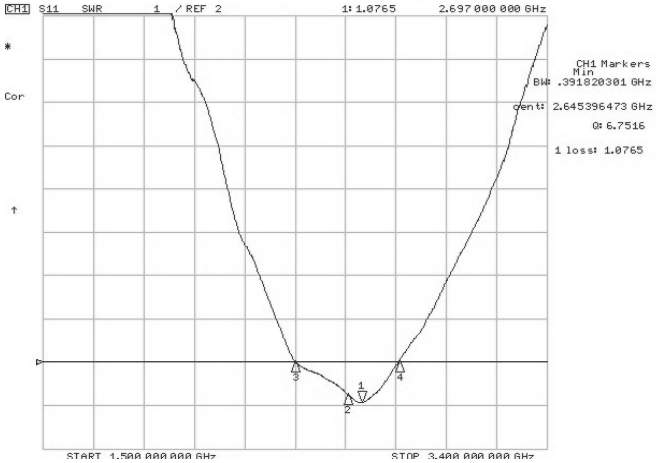
SLDA52-2R710G-S1TF



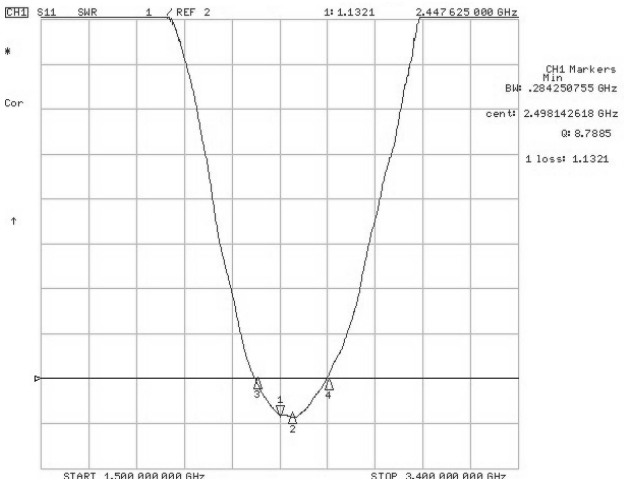
SLDA52-2R780G-S1TF



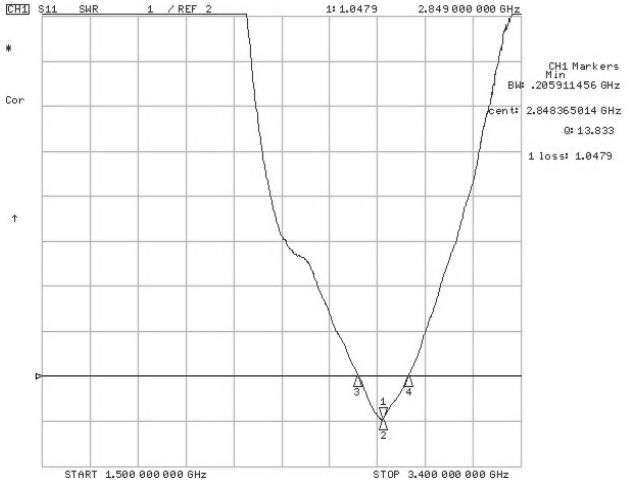
SLDA62-2R640G-01TF



SLDA72-2R470G-S1TF



SLDA72-2R860G-S1TF



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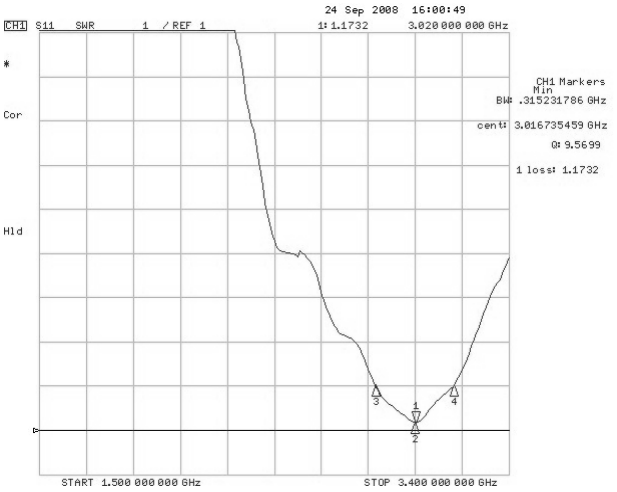
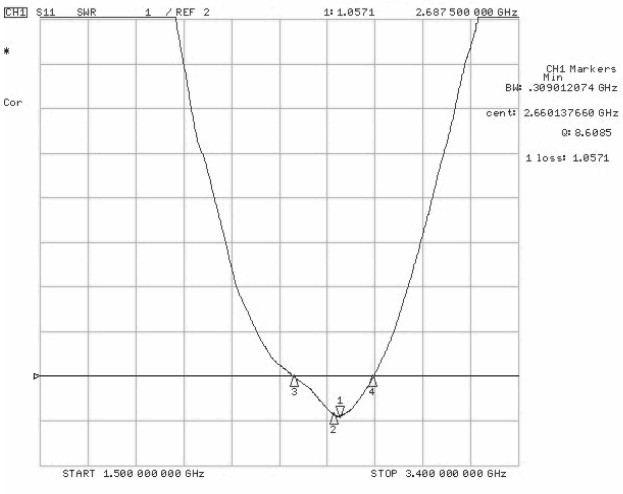
反射损耗 RETURN LOSS

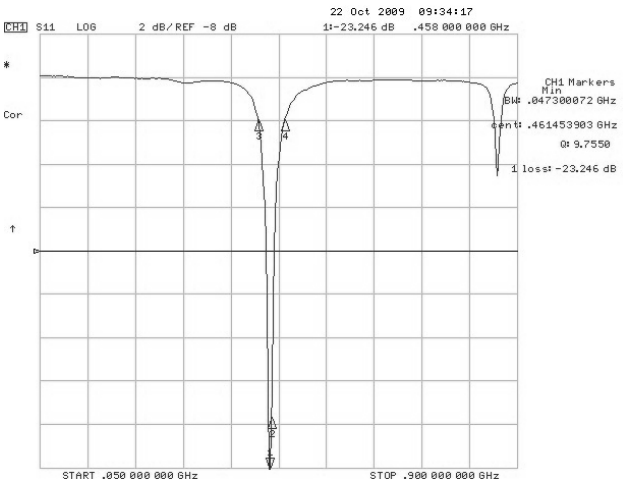
SLDA81-3R010G-S1TF



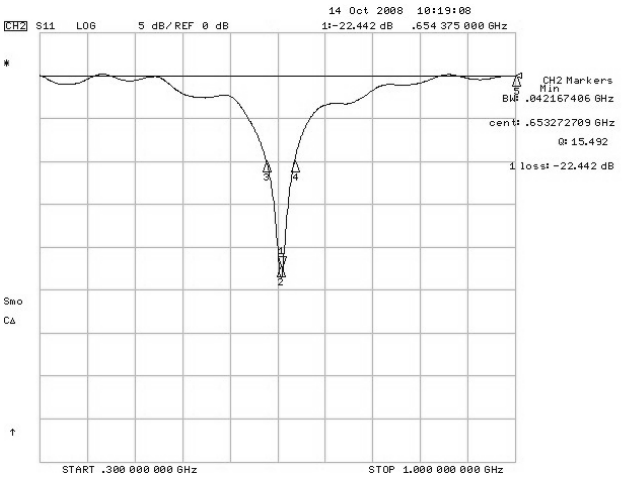
SLDA92-2R660G-S1TF



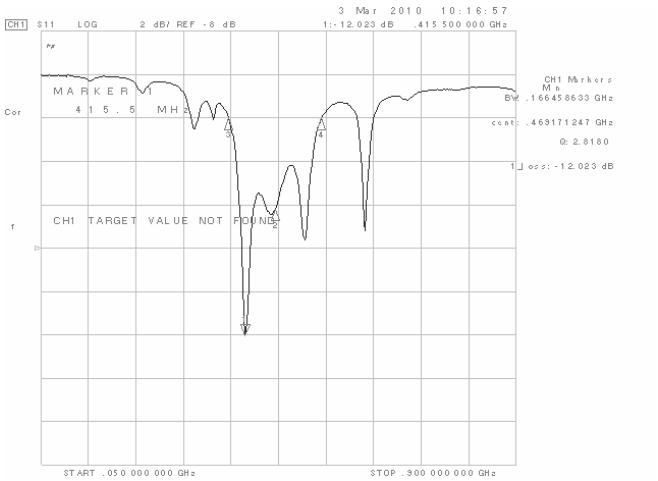
SLDA16030-0R433G-S1TF



SLDA35050-0R650G-S1TF



SLDA50040-0R650G-S1TF



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