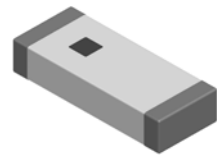


Multilayer Chip Antenna – SLDA Series

Operating Temp. : -40°C~+85°C



FEATURES

- Light weight, compact
- Wide bandwidth, low cost
- Built-in antenna with high gain

APPLICATIONS

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

PRODUCT IDENTIFICATION

<u>SLDA</u> ①	<u>31</u> ②	<u>-2R800G</u> ③	<u>-S1</u> ④	<u>T</u> ⑤	<u>F</u> ⑥																																								
①	②	③	④	⑤	⑥																																								
<table border="1"> <thead> <tr> <th colspan="2">Type</th> </tr> </thead> <tbody> <tr> <td>SLDA</td> <td>Multilayer Chip Antenna</td> </tr> </tbody> </table>	Type		SLDA	Multilayer Chip Antenna	<table border="1"> <thead> <tr> <th colspan="2">External Dimensions (L×W) (mm)</th> </tr> </thead> <tbody> <tr><td>31</td><td>3.2×1.6</td></tr> <tr><td>52</td><td>5.2×2.1</td></tr> <tr><td>62</td><td>6.0×2.0</td></tr> <tr><td>72</td><td>7.0×2.0</td></tr> <tr><td>81</td><td>8.0×1.0</td></tr> <tr><td>92</td><td>9.0×2.0</td></tr> <tr><td>16030</td><td>16.0×3.0</td></tr> <tr><td>35050</td><td>35.0×5.0</td></tr> <tr><td>50040</td><td>50.0×4.0</td></tr> </tbody> </table>	External Dimensions (L×W) (mm)		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	<table border="1"> <thead> <tr> <th colspan="2">Center Frequency</th> </tr> </thead> <tbody> <tr> <th>Example</th> <th>Nominal Value</th> </tr> <tr> <td>2R800G</td> <td>2800.0MHz</td> </tr> <tr> <td>2R470G</td> <td>2470.0MHz</td> </tr> <tr> <td>0R650G</td> <td>650.0MHz</td> </tr> </tbody> </table>	Center Frequency		Example	Nominal Value	2R800G	2800.0MHz	2R470G	2470.0MHz	0R650G	650.0MHz	<table border="1"> <thead> <tr> <th>Series Code</th> </tr> </thead> <tbody> <tr> <td>S1, 01, etc.</td> </tr> </tbody> </table>	Series Code	S1, 01, etc.	<table border="1"> <thead> <tr> <th>Packing</th> </tr> </thead> <tbody> <tr> <td>T Tape & Reel</td> </tr> </tbody> </table>	Packing	T Tape & Reel	<table border="1"> <thead> <tr> <th>Hazardous Substance Free Products</th> </tr> </thead> <tbody> <tr> <td>F</td> </tr> </tbody> </table>	Hazardous Substance Free Products	F
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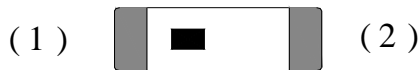
SHAPE AND DIMENSIONS

Type:	Dimensions (mm)
Land Pattern (mm)	

SHAPE AND DIMENSIONS

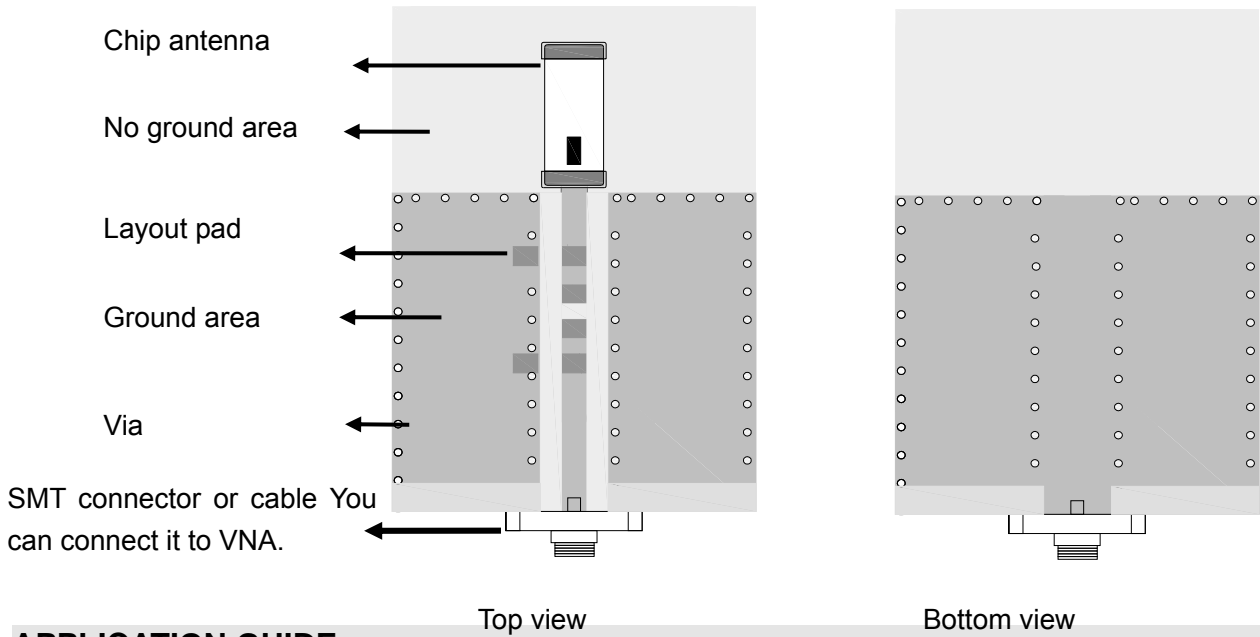
Series	A	B	C	D	E	F	G	H	I	J
SLDA31	3.2±0.2	1.6±0.2	1.2±0.2	0.5±0.2	1.6±0.2	0.8±0.2	0.8±0.2	2.6±0.2	1.4	1.6±0.2
SLDA52	5.2±0.2	2.1±0.2	1.0±0.2	0.5±0.2	2.3±0.2	1.5±0.2	1.0±0.2	4.0±0.2	1.4	2.3±0.2
SDLA62	6.0±0.2	2.0±0.2	1.0±0.2	0.5±0.2	2.2±0.2	1.5±0.2	1.0±0.2	5.0±0.2	1.4	2.2±0.2
SLDA72	7.0±0.2	2.0±0.2	1.0±0.2	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

TERINAL-CONFIGURATION

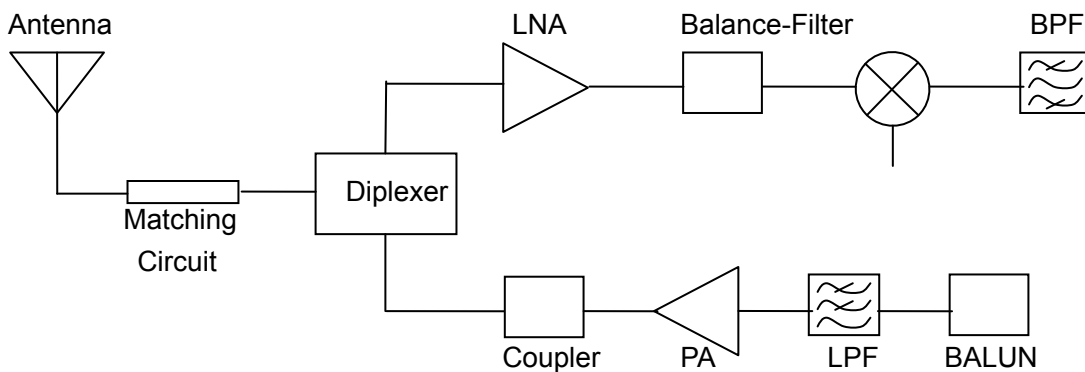


No.	Terminal Name	No.	Terminal Name
(1)	Feeding Point	(2)	NC

EVALUATION BOARD



APPLICATION GUIDE



SPECIFICATIONS

SLDA31 TYPE

Part Number	Band Width	Peak Gain	Average Gain	VSWR	Impedance	Power Capacity
	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	Band Width	Peak Gain	Average Gain	VSWR	Impedance	Power Capacity
	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	Band Width	Peak Gain	Average Gain	VSWR	Impedance	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

Part Number	Band Width	Peak Gain	Average Gain	VSWR	Impedance	Power Capacity
	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	Band Width	Peak Gain	Average Gain	VSWR	Impedance	Power Capacity
	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	Band Width	Peak Gain	Average Gain	VSWR	Impedance	Power Capacity
	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	Band Width	Peak Gain		VSWR	Impedance	Power Capacity
	MHz	V-XZ		In BW	Ω	W
SLDA16030-0R433G-S1TF	≥ 20	3.0dBi Typ.	1.0dBi Typ.	<2	50	3

SLDA35050 TYPE

Part Number	Band Width	Peak Gain		VSWR	Impedance	Power Capacity
	MHz	V-XZ		In BW	Ω	W
SLDA35050-0R650G-S1TF	≥ 50	-2.0dBi Typ. (710MHz)	-7.0dBi Typ. (474MHz)	<3	50	3

SPECIFICATIONS

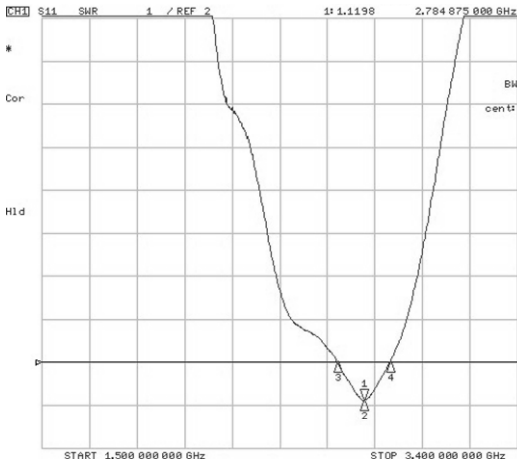
SLDA50040 TYPE

Part Number	Band Width	Peak Gain		VSWR	Impedance	Power Capacity
	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

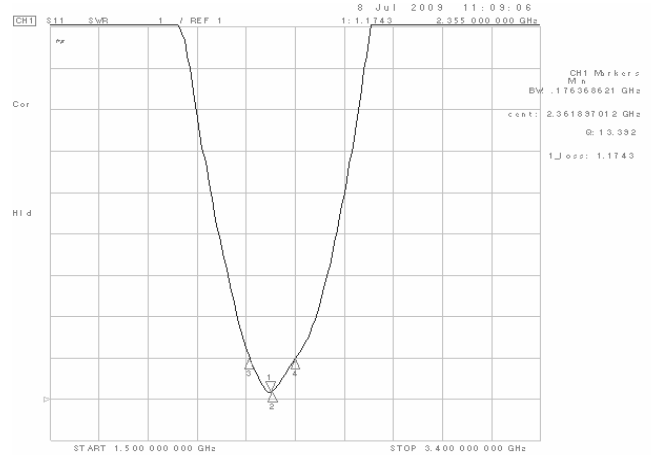
※Frequency will be changed with layout of PCB. Please contact us for appropriate design.

RETURN LOSS

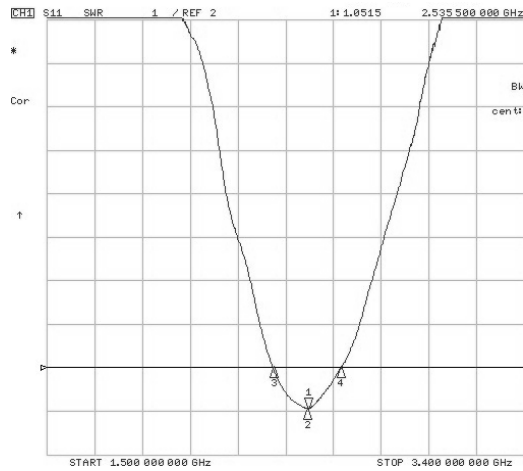
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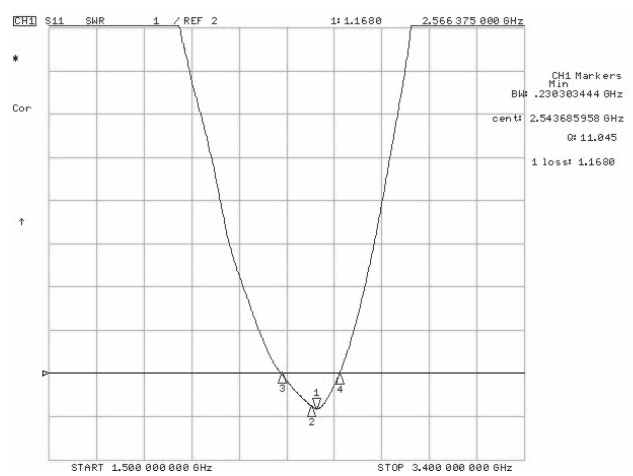
SLDA52-2R350G-S1TF



SLDA52-2R510G-S1TF

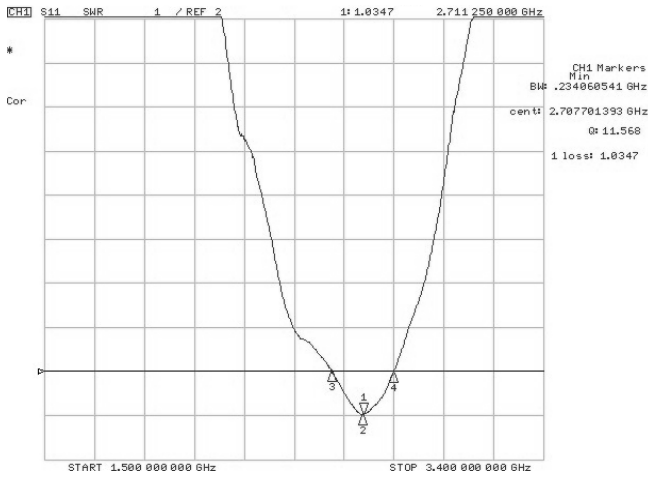


SLDA52-2R540G-S1TF

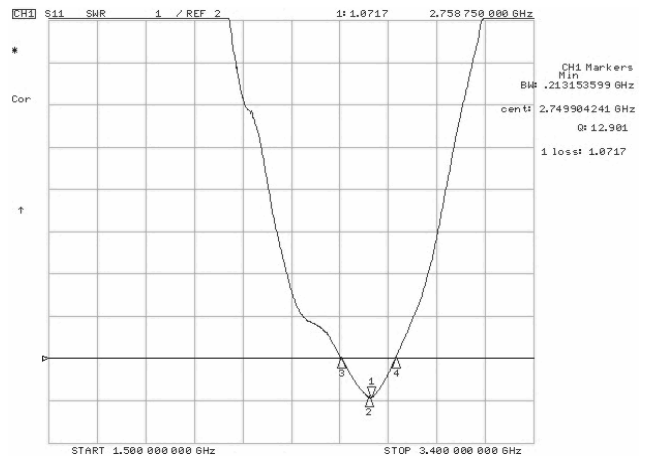


RETURN LOSS

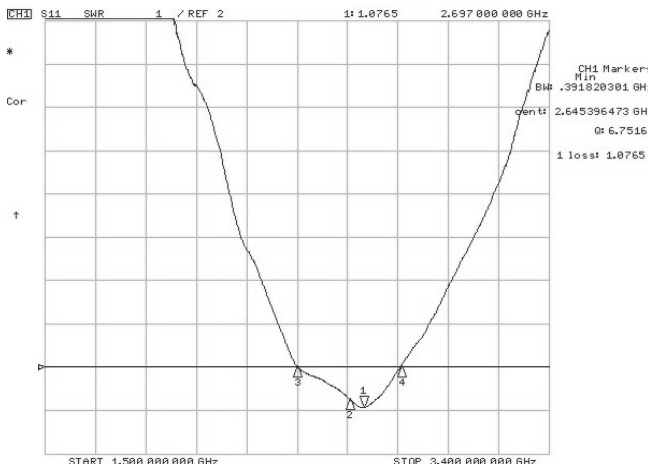
SLDA52-2R710G-S1TF



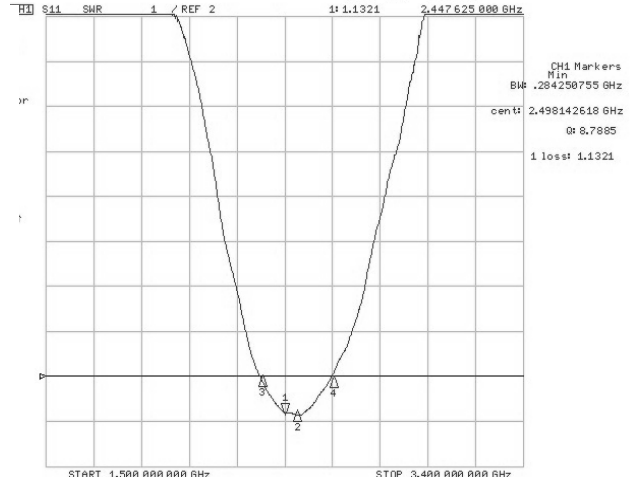
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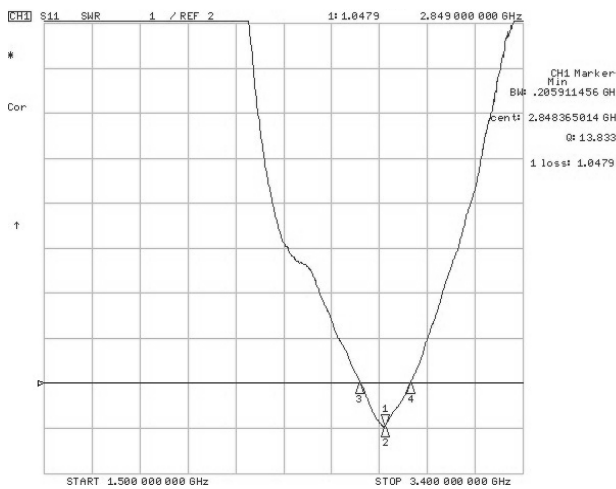
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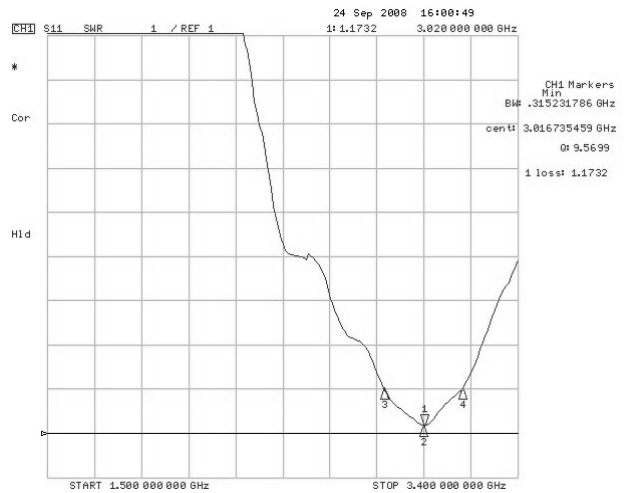
SLDA72-2R470G-S1TF



SLDA72-2R860G-02TF

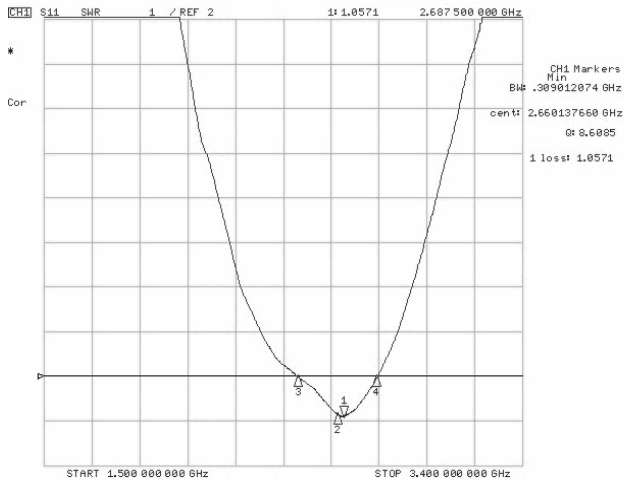


SLDA81-3R010G-S1TF

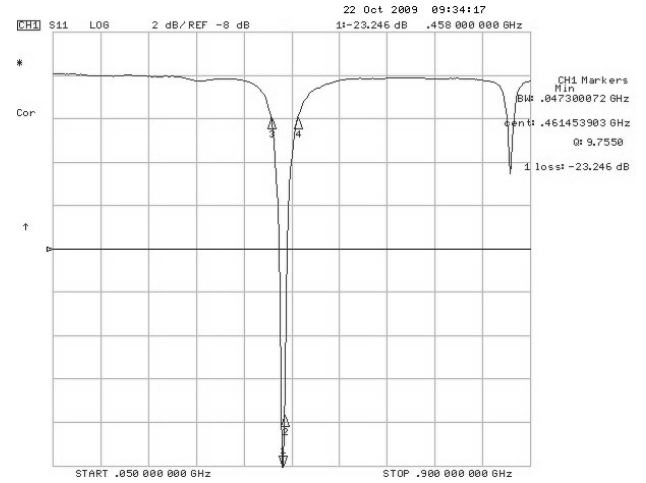


RETURN LOSS

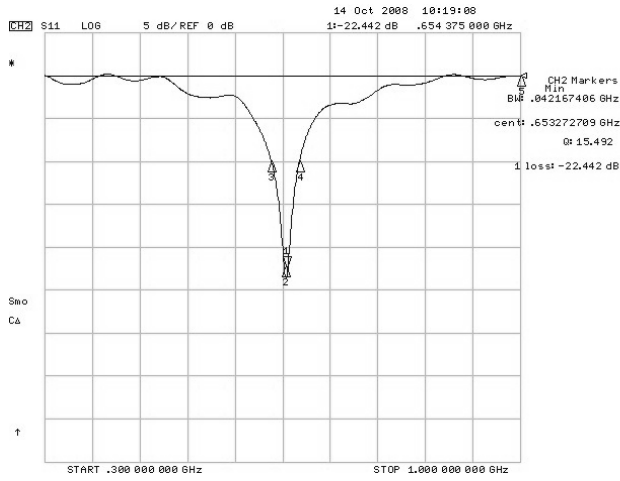
SLDA92-2R660G-S1TF



SLDA16030-0R433G-S1TF



SLDA35050-0R650G-S1TF



SLDA50040-0R650G-S1TF

