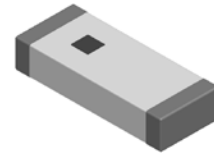


Multilayer Chip Antenna – ANT Series

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

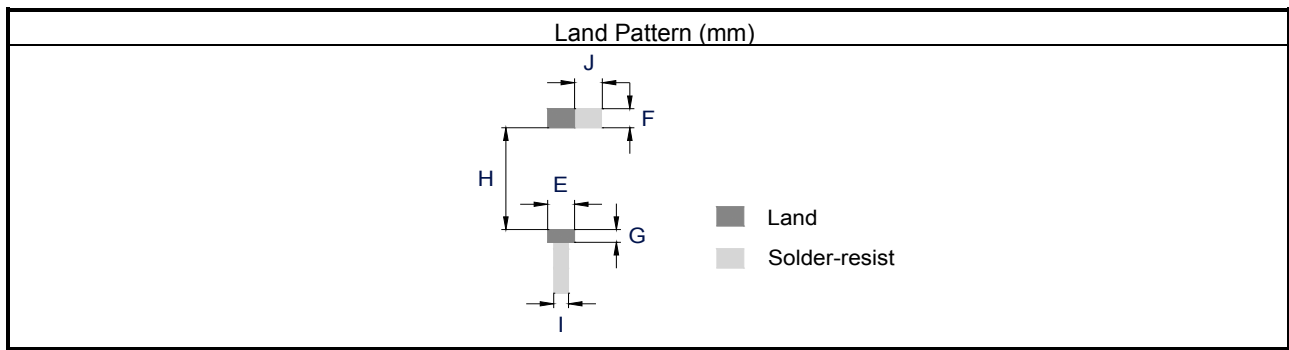
PRODUCT IDENTIFICATION

<u>ANT</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																																		
<table border="1"> <tr><th colspan="2">Type</th></tr> <tr><td>ANT</td><td>Multilayer Chip Antenna</td></tr> </table>	Type		ANT	Multilayer Chip Antenna	<table border="1"> <tr><th colspan="2">(L×W) (mm)</th></tr> <tr><th colspan="2">External Dimensions (L×W) (mm)</th></tr> <tr><td>21</td><td>2.0×1.2</td></tr> <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> </table>	(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	<table border="1"> <tr><th colspan="2">Center Frequency</th></tr> <tr><th>Example</th><th>Nominal Value</th></tr> <tr><td>2R800G</td><td>2800.0MHz</td></tr> <tr><td>2R450G</td><td>2450.0MHz</td></tr> </table>			Center Frequency		Example	Nominal Value	2R800G	2800.0MHz	2R450G	2450.0MHz		
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SHAPE AND DIMENSIONS

Type:	Dimensions (mm)
Type: ANT21-2R450G-S1TF	Land Pattern (mm)

SHAPE AND DIMENSIONS



SHAPE AND DIMENSIONS

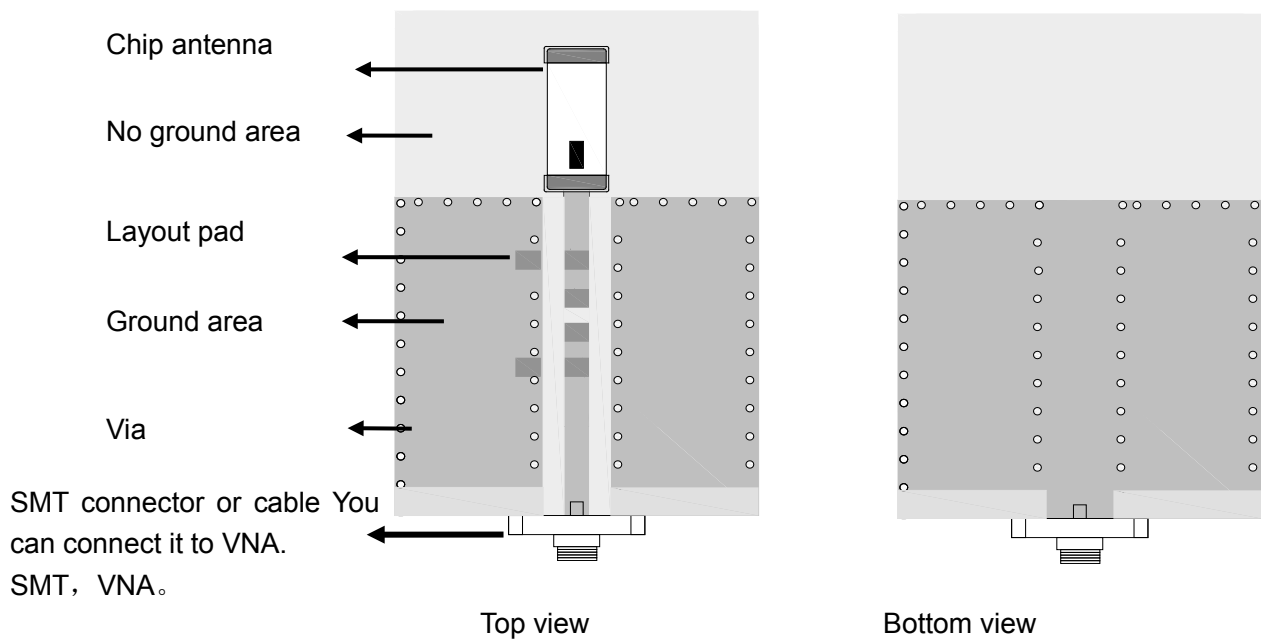
Series	A	B	C	D	E	F	G	H	I	J
ANT21	2.0±0.2	1.25±0.2	0.85±0.2	0.5±0.2	1.0±0.2	1.0±0.2	1.5±0.2	-	-	-
ANT31	3.2±0.2	1.6±0.2	1.2±0.2	0.5±0.2	1.6±0.2	0.8±0.2	0.8±0.2	2.2±0.2	1.4	1.6±0.2
ANT52	5.2±0.2	2.1±0.2	1.0±0.2	0.5±0.2	2.3±0.2	1.5±0.2	1.0±0.2	4.0±0.2	1.4	2.3±0.2
ANT62	6.0±0.2	2.0±0.2	1.0±0.2	0.5±0.2	2.2±0.2	1.5±0.2	1.0±0.2	5.0±0.2	1.4	2.2±0.2
ANT72	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
ANT81	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
ANT92	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

TERINAL-CONFIGURATION

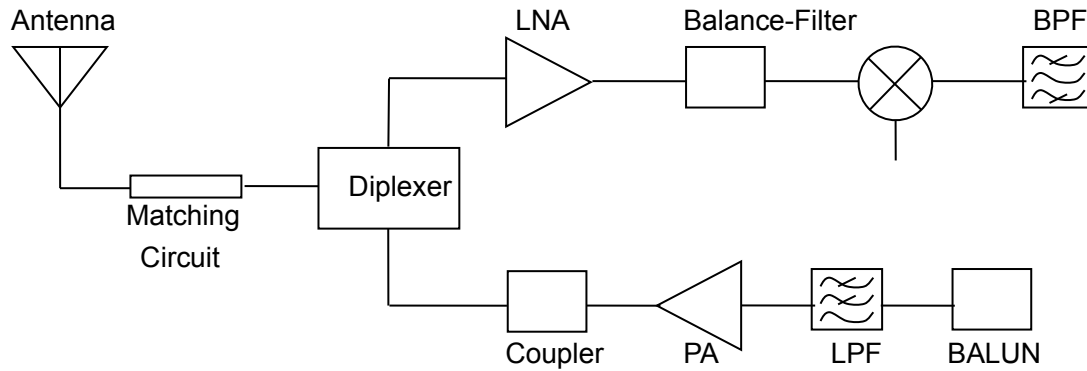


No.	Terminal Name	No.	Terminal Name
(1)	Feeding Point	(2)	NC

EVALUATION BOARD



APPLICATION GUIDE



SPECIFICATIONS

ANT21 TYPE

Part Number	Band Width	Peak Gain	Average Gain	VSWR	Impedance	Power Capacity
	MHz	V-XZ	V-XZ	In BW	Ω	W
ANT21-2R450G-S1TF	≥ 100	1.0dBi Typ.	-3.0dBi Typ.	<2.5	50	3

ANT31 TYPE

Part Number	Band Width	Peak Gain	Average Gain	VSWR	Impedance	Power Capacity
	MHz	V-XZ	V-XZ	In BW	Ω	W
ANT31-2R800G-S1TF	≥ 100	0.5dBi Typ.	-1dBi Typ.	<2	50	3
ANT31-2R400G-S1TF	≥ 100	2.5dB @ (XZ-total)	-1.5dB @ (XZ-total)	< 2	50	2
ANT31-2R450G-S2TF	≥ 100	2.5dBi @ (XZ-total)	0.5dBi @ (XZ-total)	< 2	50	2

ANT52 TYPE

Part Number	Band Width	Peak Gain	Average Gain	VSWR	Impedance	Power Capacity
	MHz	V-XZ	V-XZ	In BW	Ω	W
ANT52-2R510G-S1TF	≥ 200	2.5dBi Typ.	0.5dBi Typ.	<2	50	
ANT52-2R540G-S1TF	≥ 200	2.5dBi Typ.	0.5dBi Typ.	<2	50	

ANT62 TYPE

Part Number	Band Width	Peak Gain	Average Gain	VSWR	Impedance	Power Capacity
	MHz	V-XZ	V-XZ	In BW	Ω	W
ANT62-2R640G-01TF	≥ 200	2.6dBi Typ.	0.7dBi Typ.	<2	50	3

ANT72 TYPE

Part Number	Band Width	Peak Gain	Average Gain	VSWR	Impedance	Power Capacity
	MHz	V-XZ	V-XZ	In BW	Ω	W
ANT72-2R470G-S1TF	≥ 200	2.7dBi Typ.	1.0dBi Typ.	<2	50	3

ANT81 TYPE

Part Number	Band Width	Peak Gain	Average Gain	VSWR	Impedance	Power Capacity
	MHz	V-XZ	V-XZ	In BW	Ω	W
ANT81-3R010G-S1TF	≥ 200	2.0dBi Typ.	0.5dBi Typ.	<2	50	3

SPECIFICATIONS

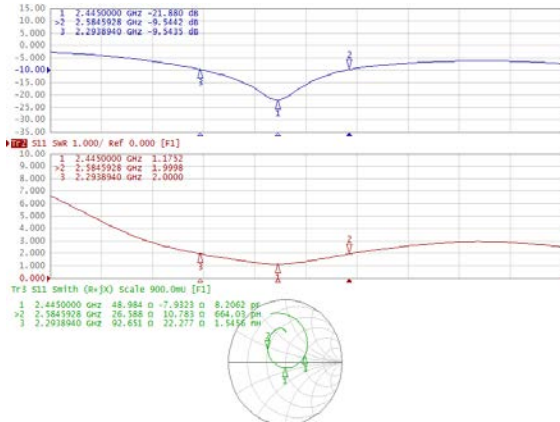
ANT92 TYPE

Part Number	Band Width	Peak Gain	Average Gain	VSWR	Impedance	Power Capacity
	MHz	V-XZ	V-XZ	In BW	Ω	W
ANT92-2R660G-S1TF	≥ 200	3.0dBi Typ.	1.0dBi Typ.	<2	50	3

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

RETURN LOSS

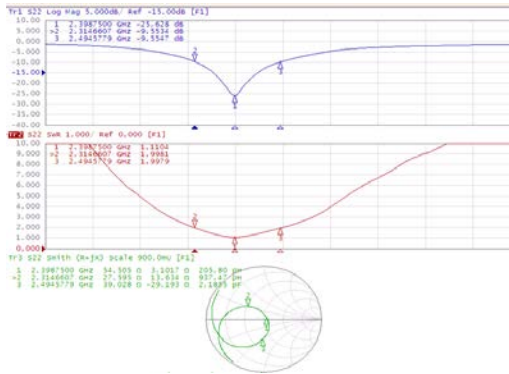
ANT21-2R450G-S1TF



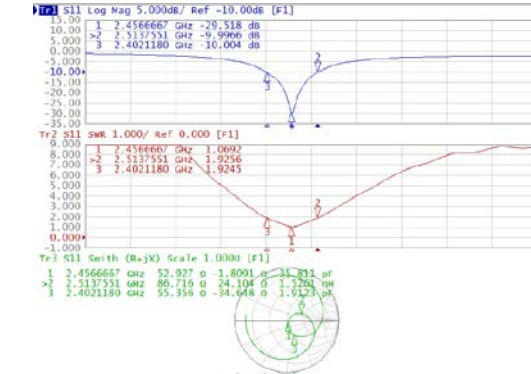
ANT31-2R800G-S1TF



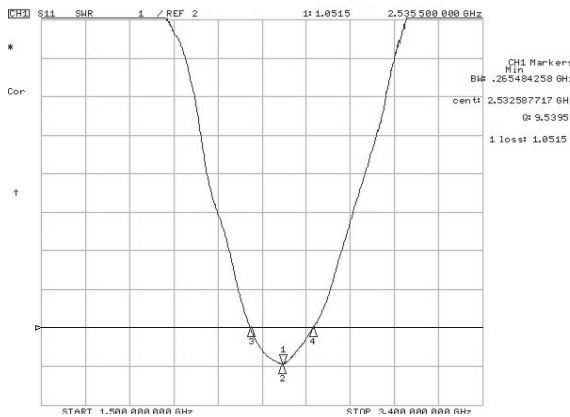
ANT31-2R400G-S1TF



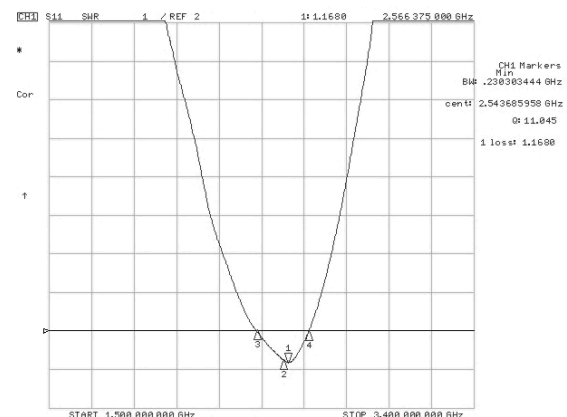
ANT31-2R450G-S2TF



ANT52-2R510G-S1TF

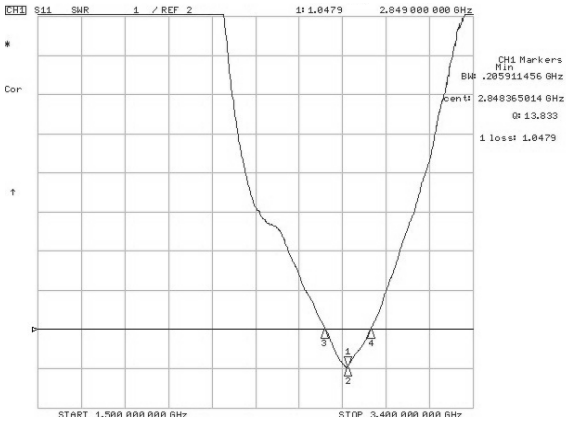


ANT52-2R540G-S1TF

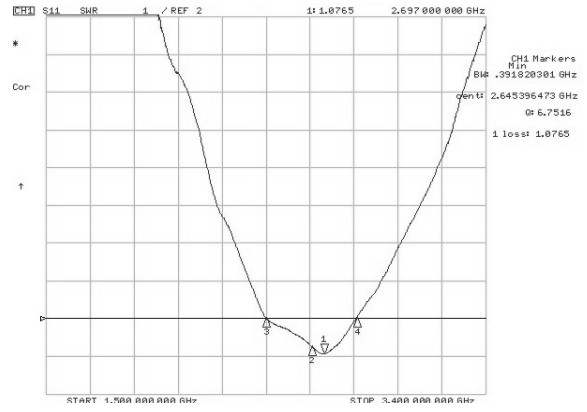


RETURN LOSS

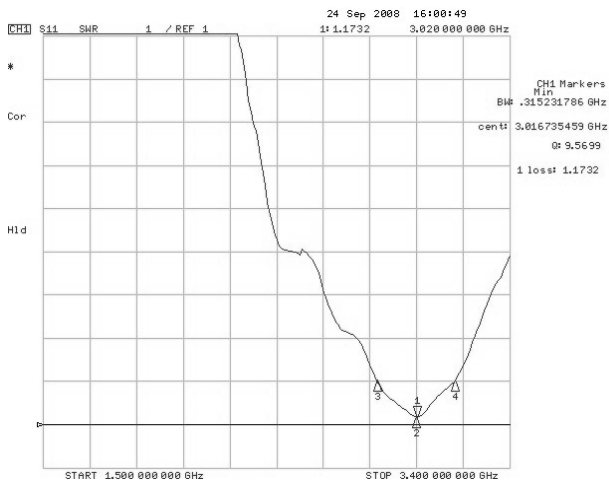
ANT62-2R640G-01TF



ANT72-2R470G-S1TF



ANT81-3R010G-S1TF



ANT92-2R660G-S1TF

