

SAMPLE P/N: ANT016008LCS2442MA1
Antenna Keep-out Area: 3x5mm²

Technical drawing of a radiator electrode assembly showing three views: top, side, and front.

Top View: Shows a rectangular plate with a central square feature. Dimensions: 1.6 (width), 0.8 (height).

Side View: Shows a rectangular plate with a central square feature. Dimension: 0.4 Max. (width).

Front View: Shows a rectangular plate with a central square feature. Dimensions: 0.086 $\pm$ 0.086 (height), 0.085 $\pm$ 0.085 (width), 0.628 (height), 0.215 (width), 0.25 (width), 0.5 (width), 0.215 (width), 0.12 (height), 0.1 (width), 0.1 (width).

Labels: A: Feed point, B: Radiator electrode.

Tolerance: $\pm$ 0.1 mm

Unit: mm

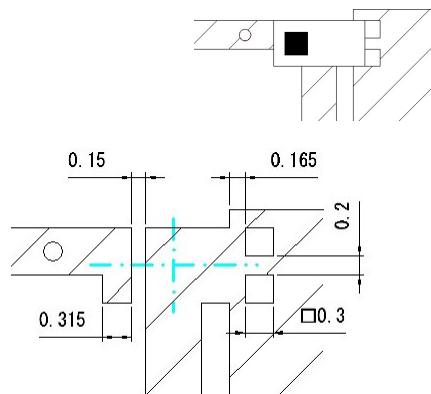
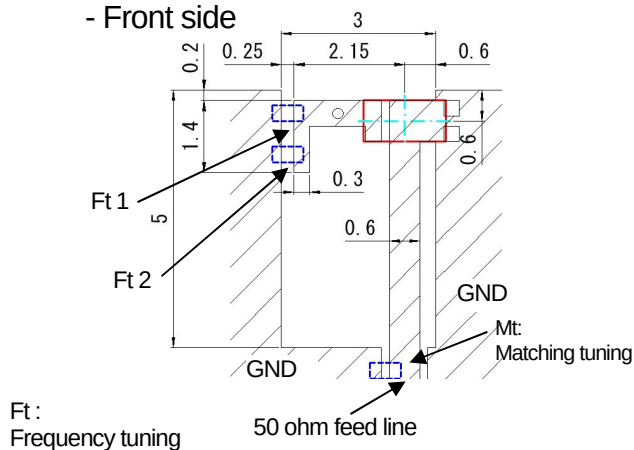
PARAMETER		UNIT
Center Frequency	2442	MHz
Band Width	+/-42	MHz
VSWR at BW	TBD	
Polarization	Linear	
Impedance	50	ohm
PCB size	50 x 20 x 1.0	mm ³
Antenna keep-out Area	3 x 5	mm ²

Operating temperature	-40	+85	℃
Storage temperature	-40	+85	℃

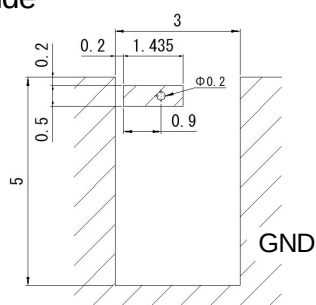
[RECOMMENDED PCB PATTERN]

Electrode

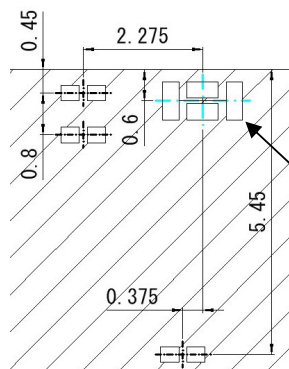
- Front side



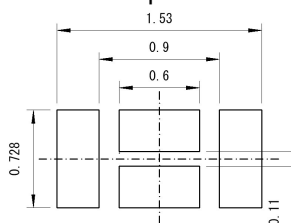
- Back side



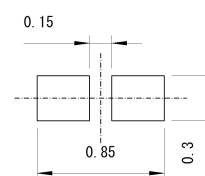
- Front side Solder Resist



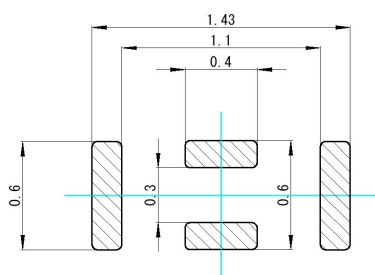
For Chip antenna



For 0603 size



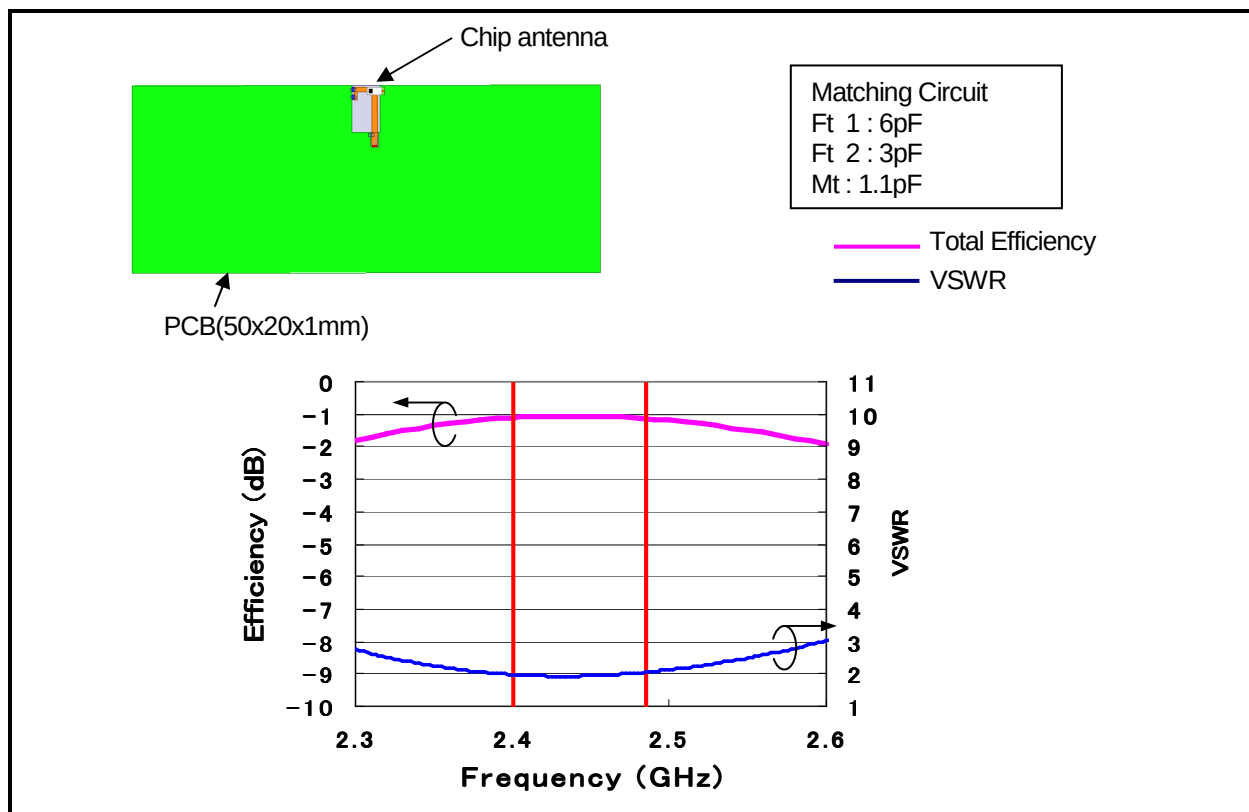
Recommend aperture size of metal mask for solder printing



 Aperture of metal mask

[Unit: mm]

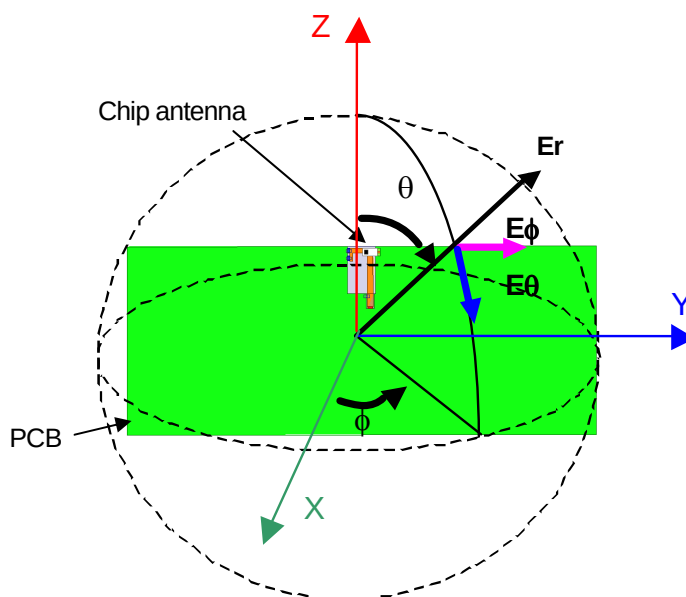
[EFFICIENCY AND VSWR by Simulation]



Note: Evaluation board size is 50 x 20 x 1 mm² Tested antenna has been soldered.

[RADIATION PATTERN]

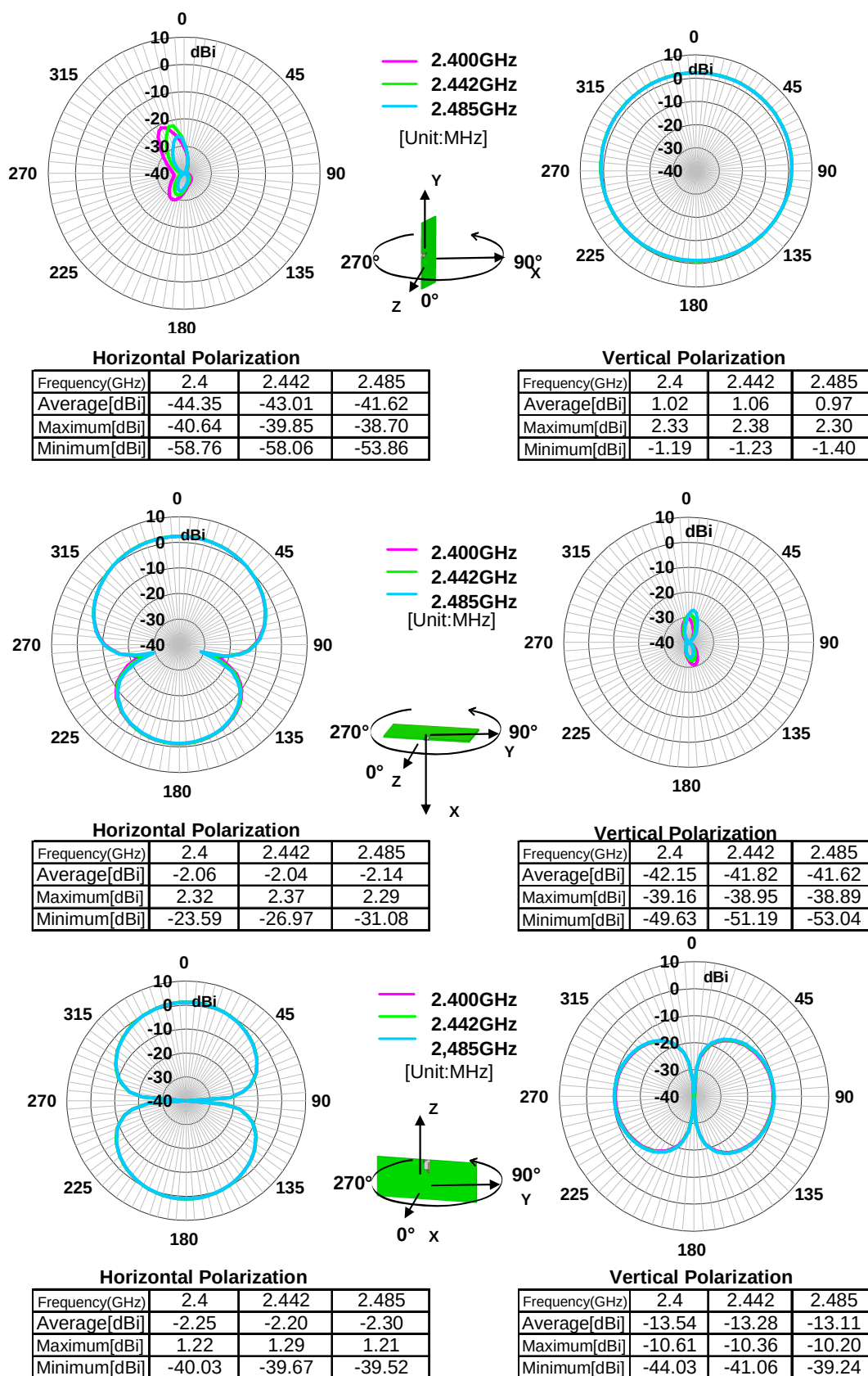
Measurement Method



Note: Evaluation board size is 50 x 20 x 1 mm² Tested antenna has been soldered.

All specifications are subject to change without notice and are not guaranteed.

[RADIATION PATTERN by Simulation]



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ENVIRONMENT INFORMATION

1. RoHS STATEMENT

ROHS Compliance

2. Non-Use of Halogen (Bromine and Chlorine)

The product does not include Halogens and their compounds based on the following definition.

- Bromine(Br) $\leq 900\text{ppm}^*$
- Chlorine(Cl) $\leq 900\text{ppm}^*$
- (Bromine(Br)+Chlorine(Cl) $\leq 1500\text{ppm}^*$)
(*Certain homogeneous materials)