

SAMPLE P/N: ANT016008LCD2442MA1

Technical drawing of a PCB layout for a 2x2 array of feed points. The drawing includes a top view showing a central circular feed point with dimensions 1.6 (width) and 0.8 (height). A side view shows a rectangular component with a width of 0.4Mmax. The bottom view shows a 2x2 array of feed points with dimensions 0.086+/-0.086 (height), 0.085+/-0.085 (width), and 0.628 (height). The array is centered on a 0.5x0.5 area. Labels A, B1, and B2 indicate specific points on the array. A tolerance of +/- 0.12 is specified for the array dimensions.

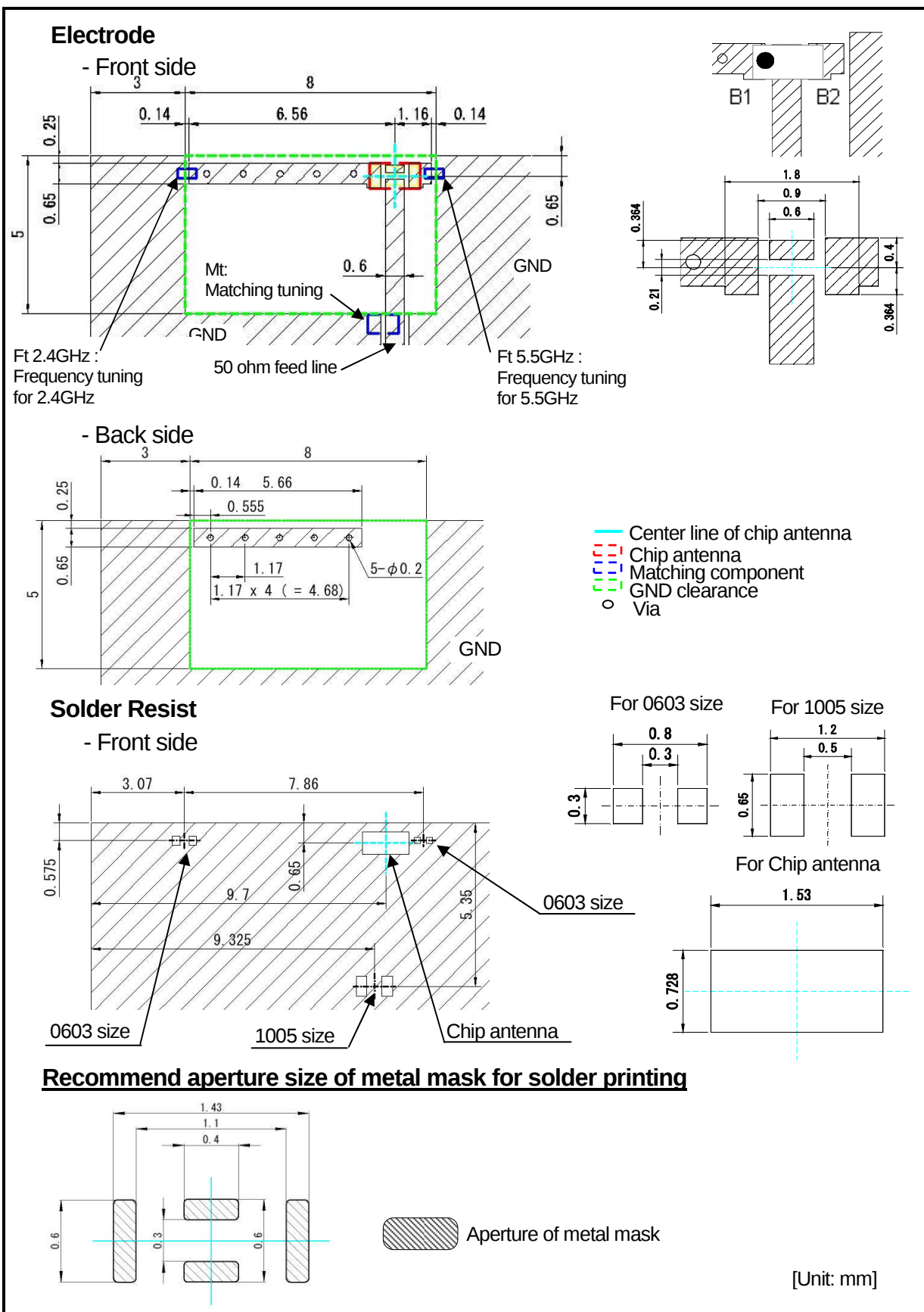
PARAMETER		UNIT
Center Frequency ($F_{11b/g/n}$, F_{11a})	$F_{11b/g/n}$: 2442, F_{11a} : 5500	MHz
Band Width ($F_{11b/g/n}$, F_{11a})	$F_{11b/g/n}$: +/-42, F_{11a} : +/-350	MHz
VSWR at BW ($F_{11b/g/n}$, F_{11a})	$F_{11b/g/n}$: 6.5 (Max.), F_{11a} : 4 (Max.)	
Polarization	Linear	
Impedance	50	ohm
PCB size	120 x 65 x 1.0	mm

* This is typical antenna performance with the standard PCB.

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

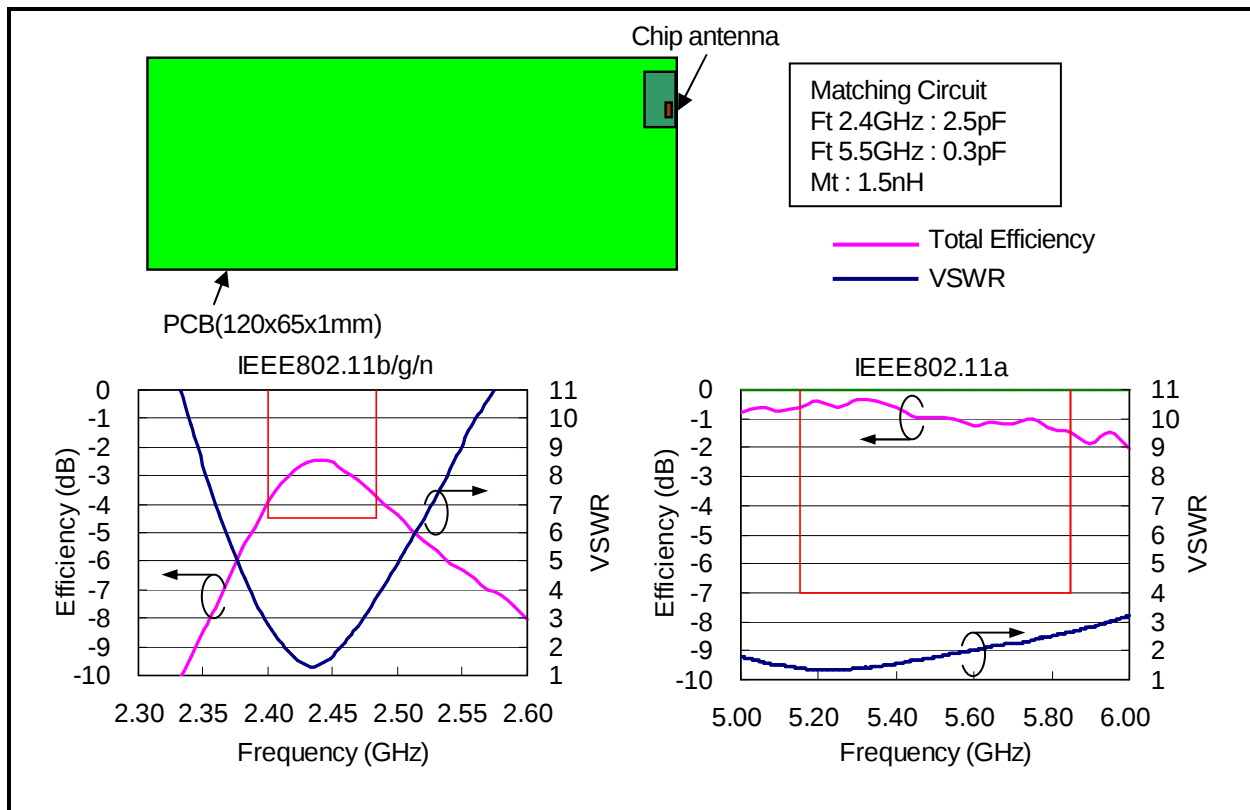
All specifications are subject to change without notice and are not guaranteed.

[RECOMMENDED PCB PATTERN]



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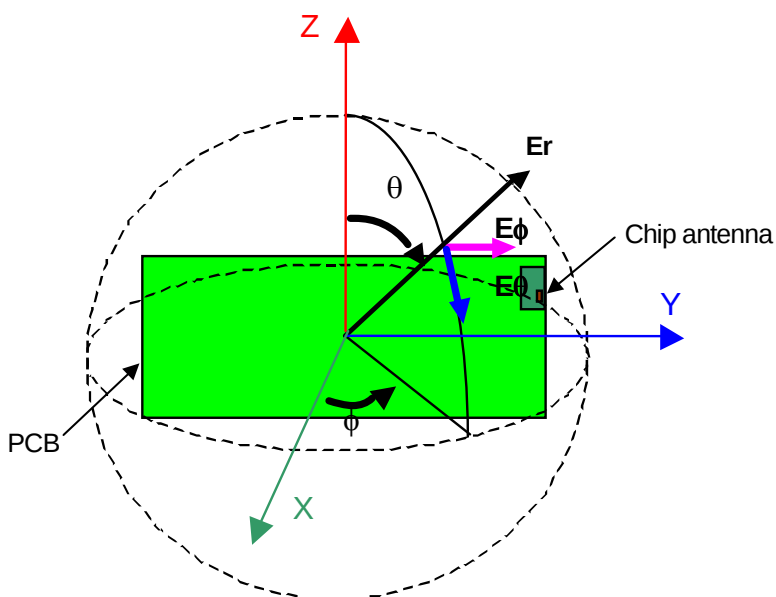
[EFFICIENCY AND VSWR]



Note: Tested antenna has been soldered. Evaluation board size is 120x65x1 mm

[RADIATION PATTERN]

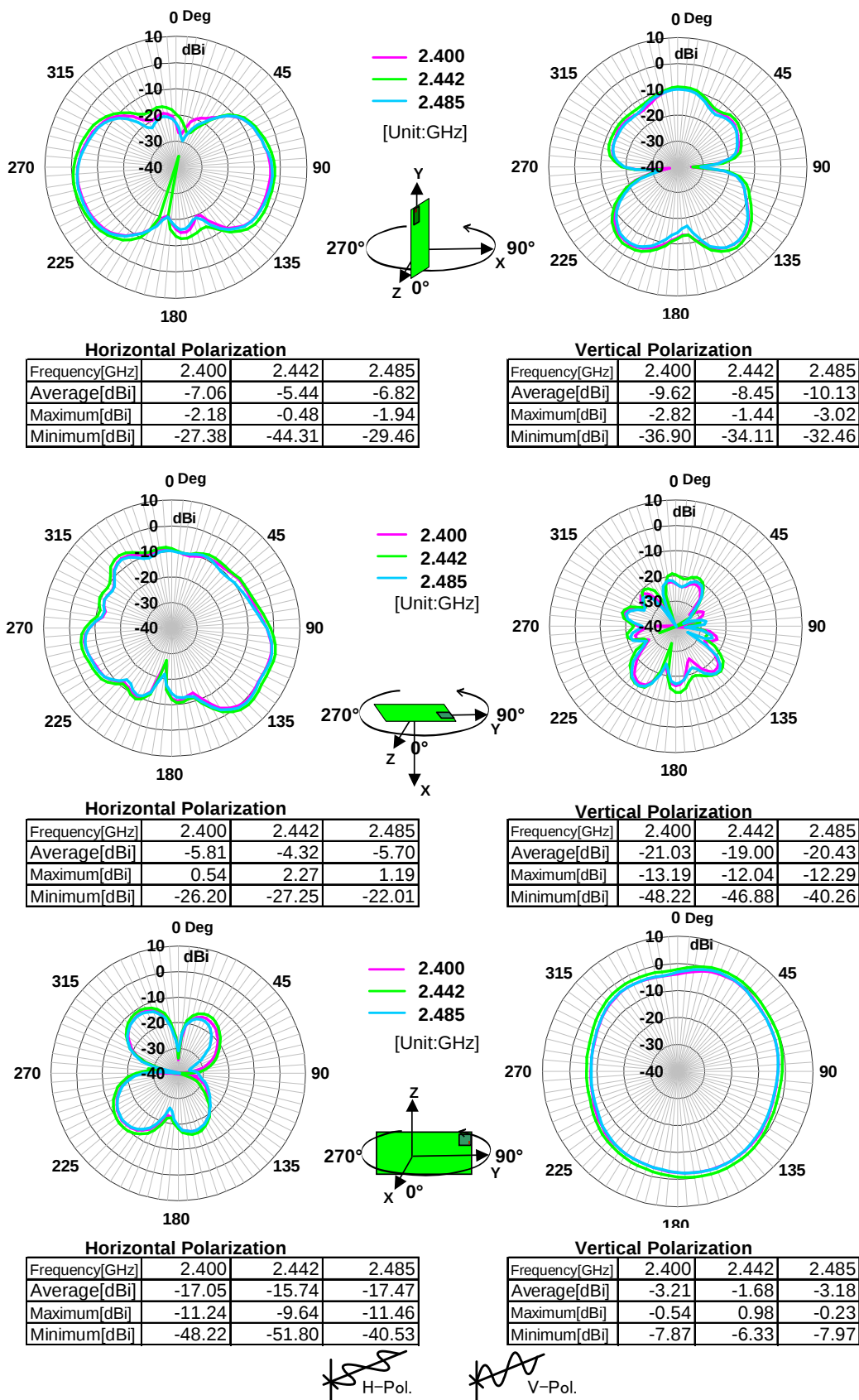
Measurement Method



Note: Tested antenna has been soldered. Evaluation board size is 120x65x1 mm

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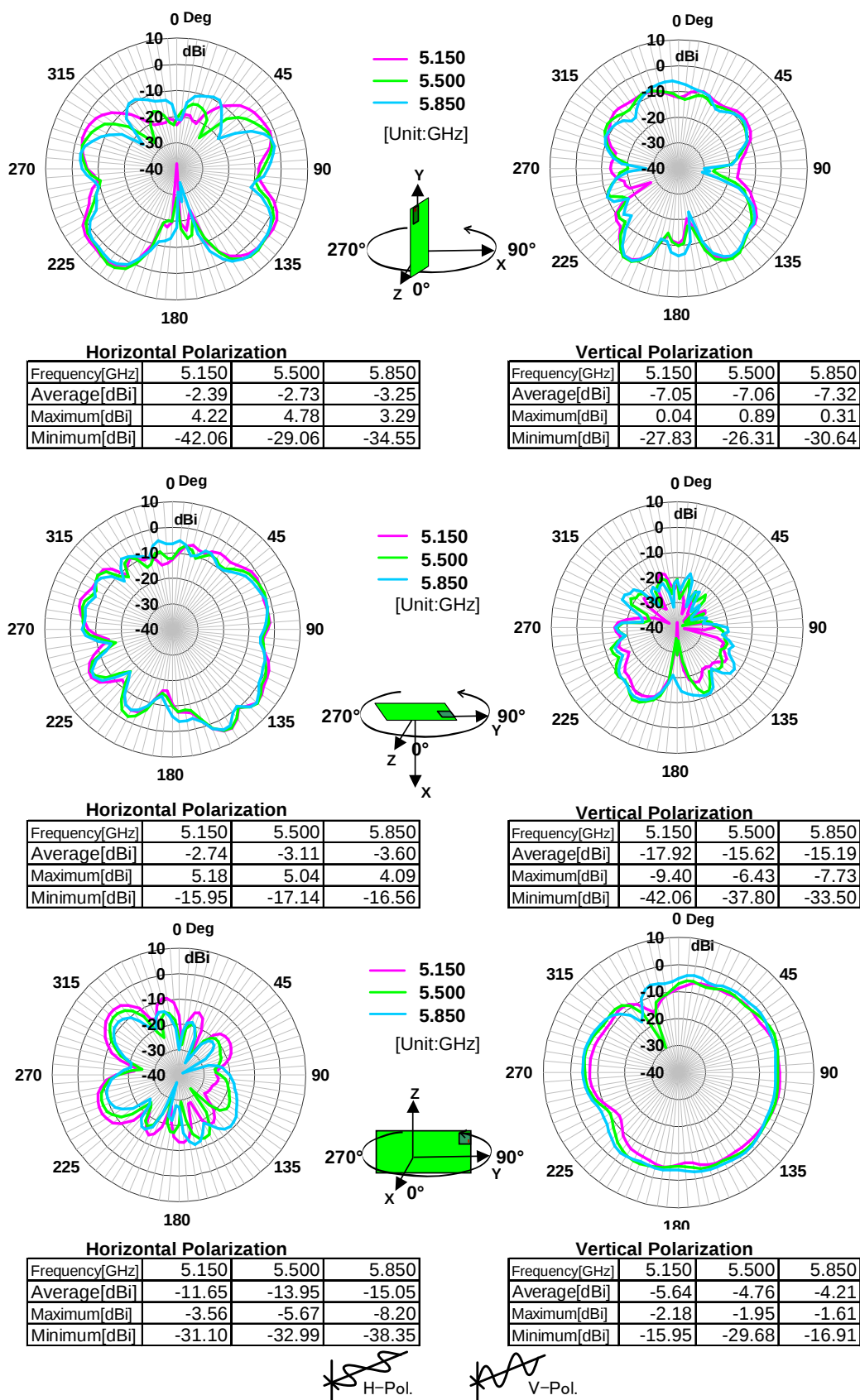
[RADIATION PATTERN - IEEE802.11b/g/n -]



Note: Tested antenna has been soldered. Evaluation board size is 120x65x1 mm

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[RADIATION PATTERN - IEEE802.11a -]



Note: Tested antenna has been soldered. Evaluation board size is 120x65x1 mm
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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) $\leq$ 900ppm*
- Chlorine(Cl) $\leq$ 900ppm*
- (Bromine(Br)+Chlorine(Cl) $\leq$ 1500ppm*)
(*Certain homogeneous materials)