

SPECIFICATION

FM Radio Antenna

P/N: CTI-AMFA120502V1

| Revision | Contents | Date |
|----------|---|------------|
| 0 | New | 2007.10.01 |
| 1 | <u>Soldering land pattern(width): 5.0mm</u> -> <u>5.6mm</u> | 2008.01.14 |
| 2 | Addition: Antenna Radiation Pattern | 2008.11.10 |
| 3 | <u>Soldering land pattern(width): 5.6 mm</u> -> <u>5.0mm</u> | 2009.03.16 |

March 16, 2009

Notes

The contents of this data sheet are subject to change without notice. Please confirm the specifications and delivery conditions when placing your order.

1. SPECIFICATIONS

1.1. Electrical Specifications

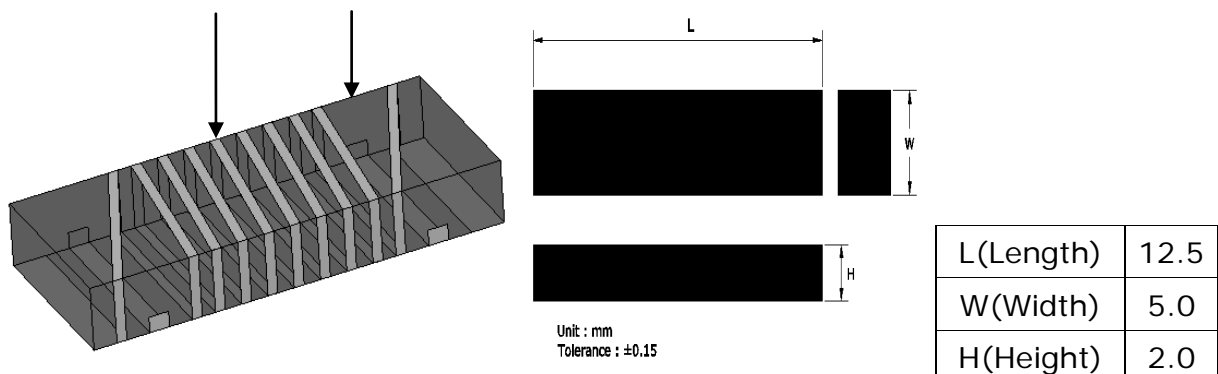
| | |
|----------------------|------------------|
| ITEM | FM |
| Frequency | 87.5 ~ 108MHz |
| VSWR | 6.0 : 1 max |
| Polarization | Linear |
| Azimuth Beam Pattern | Omni-directional |
| Impedance | 50 Ω |

These values are measured on the matched reference test board.

1.2. Mechanical Specifications

| | | |
|------------------------|------------------|----|
| Electrode | Silver | |
| Dimensions (L x W x H) | 12.5 x 5.0 x 2.0 | mm |
| Operating Temperature | -35 ~ +85 | |

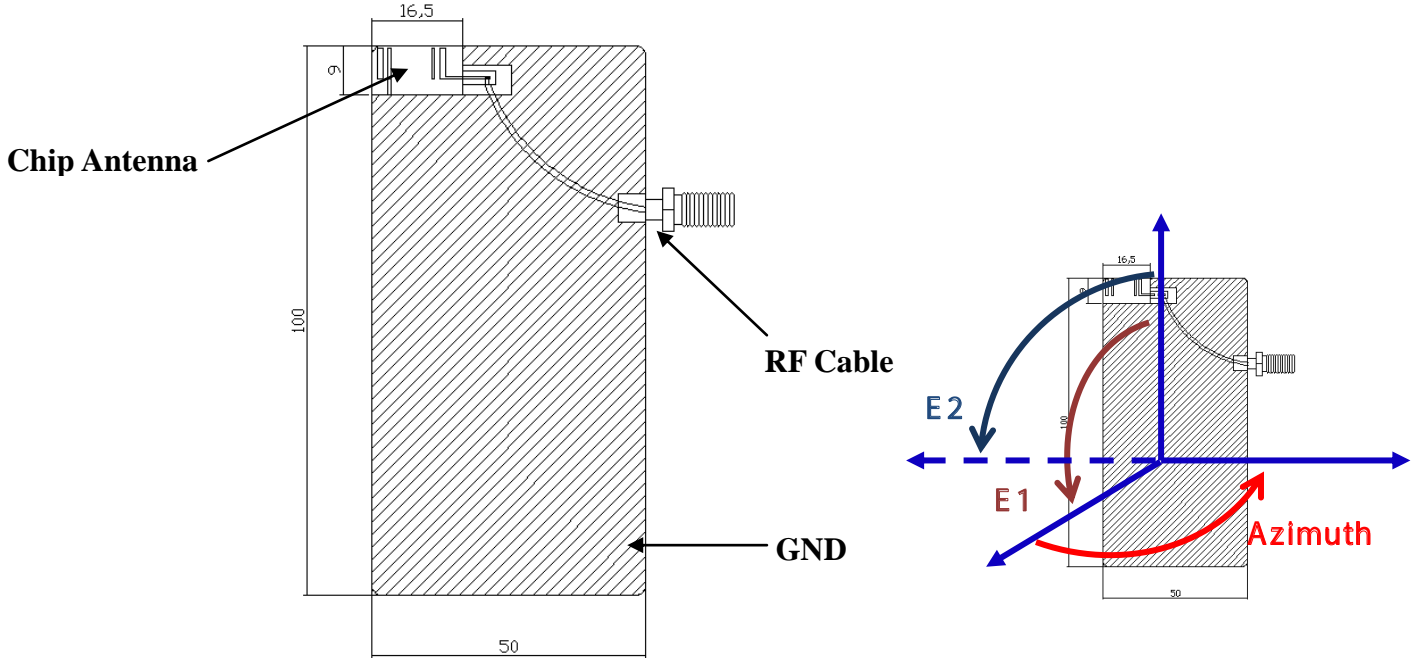
1.3. Appearance and Dimensions



| No | Name | Function | Material |
|----|--------------|-------------------|----------|
| 1 | Electrode | Radiation Element | Ag |
| 2 | Ceramic Body | - | Ceramic |

2. MEASUREMENT

2.1. SET for Measurement



Antenna Radiation the coordinate system

2.2. Electrical Characteristic

- Antenna matching on the reference test board (test board size is 100.0 X 50.0 X 1.0)

S_{11}

A. Return loss

