

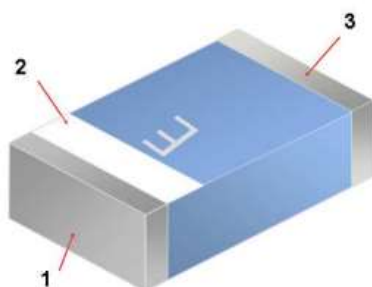
## FEATURES

1. Surface Mounted Devices with a small dimension of 3.2 X 1.6 X1.2 mm<sup>3</sup> meet future miniaturization trend.
2. LTCC process
3. High stability in Temperature / Humidity Change

## APPLICATIONS

1. 2.4GHz ISM band RF applications
2. Bluetooth, Wireless, HomeRF

## CONSTRUCTION



1. Feeding
2. Identification Mark
3. Soldering terminal

## DIMENSIONS

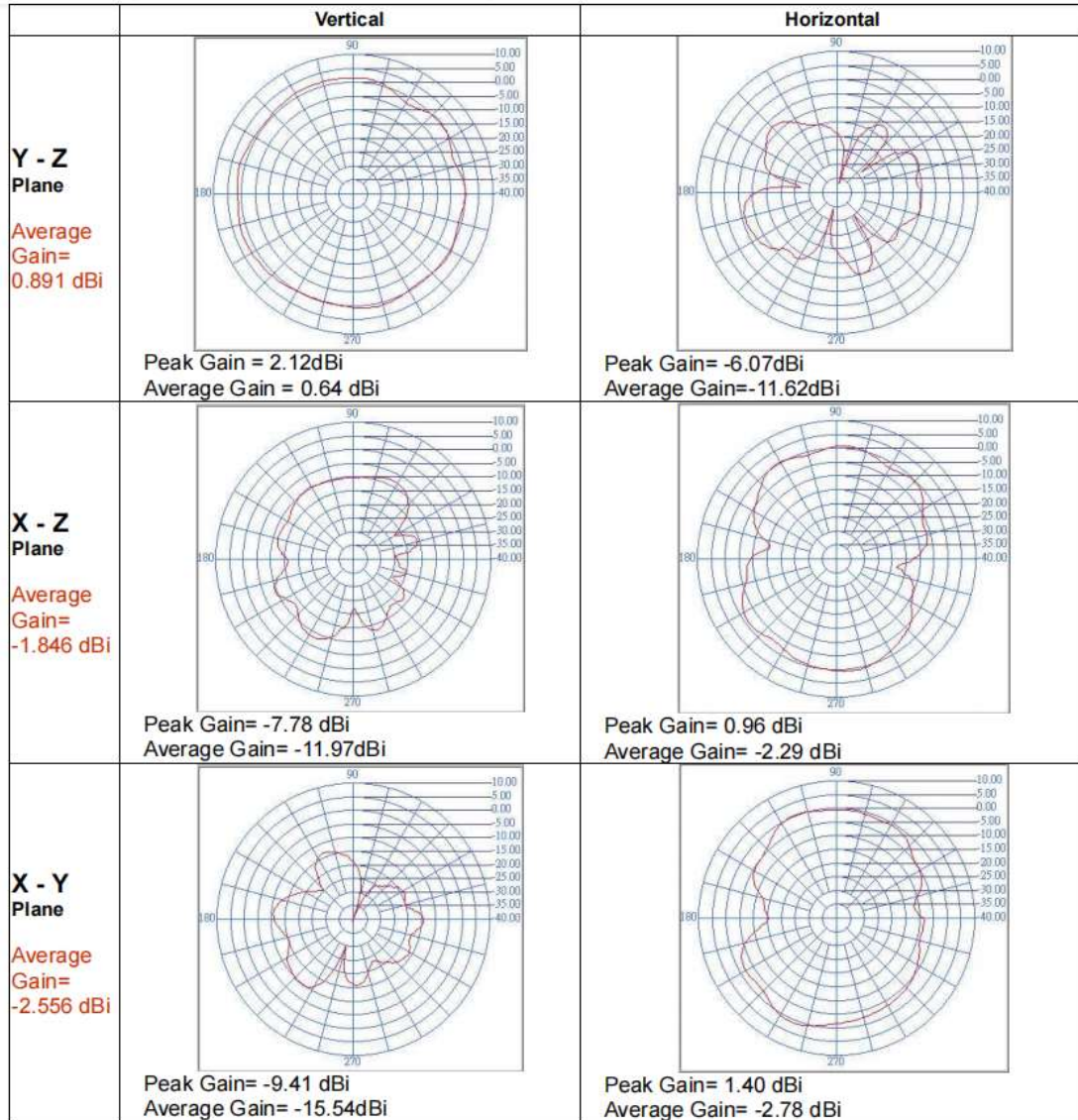
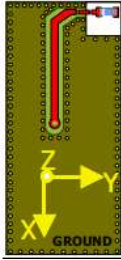
| Figure | Symbol | Dimension (mm) |
|--------|--------|----------------|
|        | L      | 3.20 ± 0.20    |
|        | W      | 1.60 ± 0.10    |
|        | T      | 1.20 ± 0.10    |
|        | a      | 0.25 ± 0.15    |

## ELECTRICAL CHARACTERISTICS

| RFANT3216120A5T          |          | Specification |
|--------------------------|----------|---------------|
| Working Frequency Range  |          | 2450 ± 50 MHz |
| Fc (GHz)                 |          | 2.9           |
| Gain (dBi)               |          | 2 (Typical)   |
| VSWR                     |          | 2 max.        |
| Matching component value | Series 1 | 6.8nH         |
|                          | Series 2 | -             |
| Operation Temperature    |          | -40°C ~ +85°C |

## RADIATION PATTERN

Radiation Pattern and Gain were dependent on measurement board design. The specification of RFANT3216120A5T antenna was measured based on the PCB size and installation position as shown in the below figure Test Board



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