

# AHD140308A2446JR

Preliminary

## 1. Features

- a) Small sizes and low profile
- b) Wide frequency range



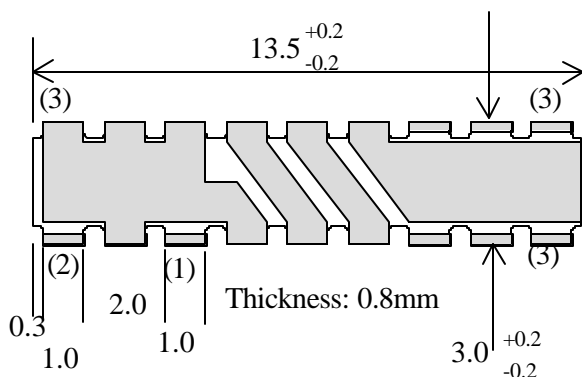
## 2. Specifications

|                       |                   |
|-----------------------|-------------------|
| Type                  | AHD140308A2446JR  |
| Dimensions            | 13.5 × 3 × 0.8 mm |
| Operating frequency   | 2400 – 2484 MHz   |
| Operating temperature | -25 - +85 °C      |

## 3. Characteristics (Reference)

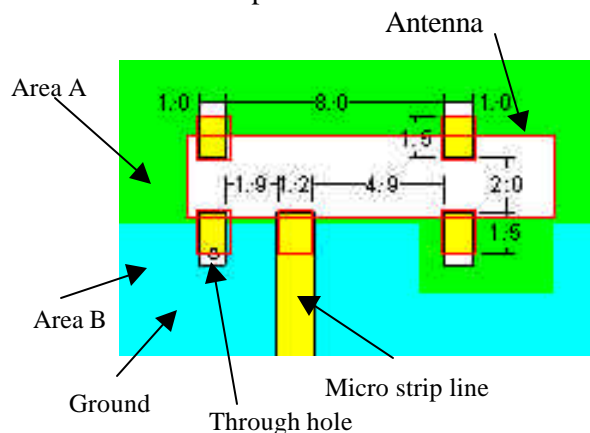
|                       |          |
|-----------------------|----------|
| Bandwidth in VSWR ≤ 2 | 140 MHz  |
| Gain –peak-           | 0 dBd    |
| Gain –average-        | -6.6 dBd |
| Radiation Efficiency  | 36 %     |

## 4. Dimensions



- (1) in/out terminal
- (2) GND
- (3) Fixing Electrode (should be connected to the floating pad)

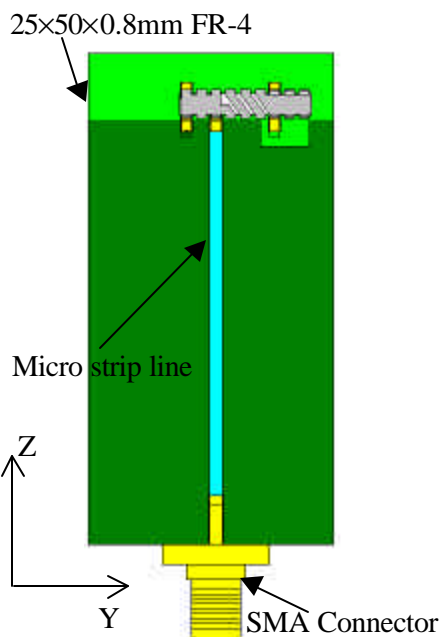
## 5. Recommended land pattern



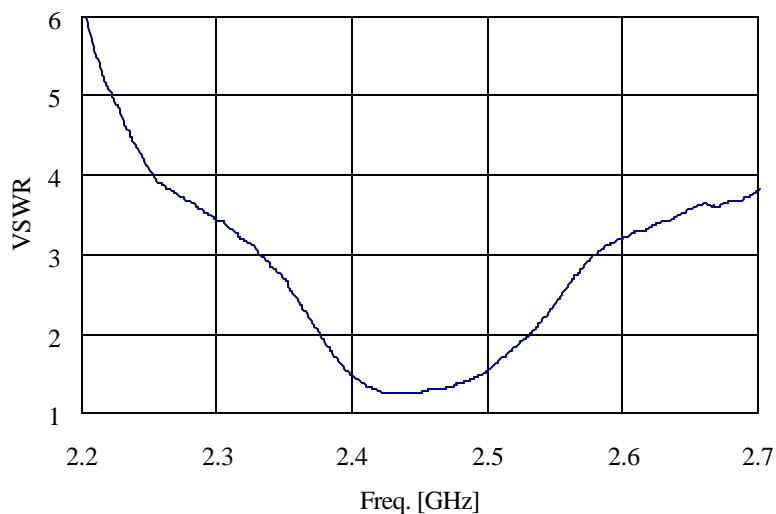
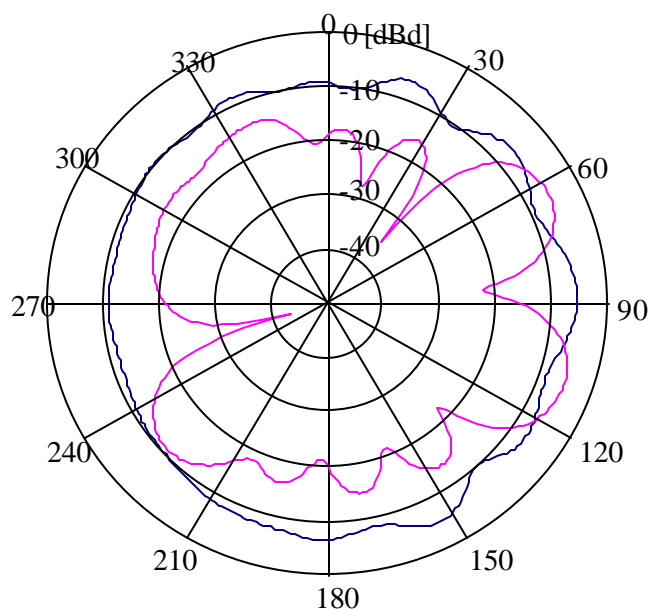
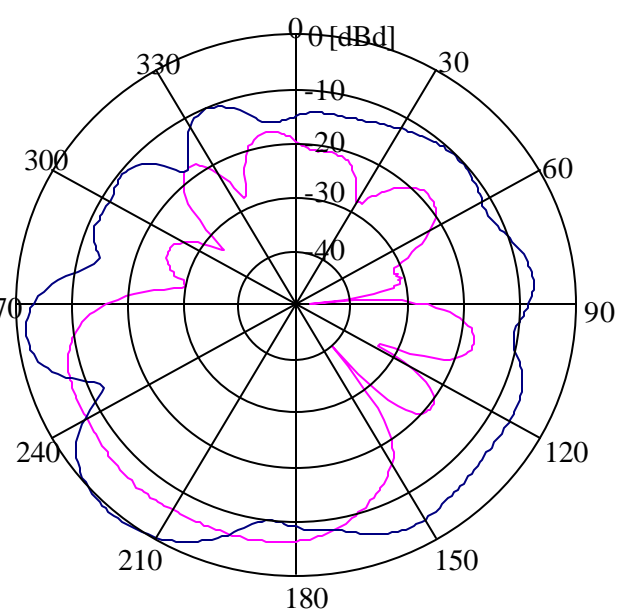
Note:

- \*1 We recommend to make ground plane on area 'B'.  
You may not make ground plane on area 'A'.
- \*2 Please connect this land to the ground with thru holes.

6. Test Board



7. VSWR vs. Frequency

8. Radiation pattern in XY plane  $f=2442\text{MHz}$ 9. Radiation pattern in YZ plane  $f=2442\text{MHz}$ 

Note:

- (1) The specifications given herein may be changed or modified at anytime without prior notice.
- (2) Please request specifications for the part in which you plan on using.

Contact us:

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