

## Evaluation Board - 6.24 ~ 8.50 GHz UWB - Chip Antenna

**ACR0301U-EVB**

## Request Samples



Check Inventory



**42.6 x 22.6 x 0.8 mm**

## RoHS/RoHS II Compliant

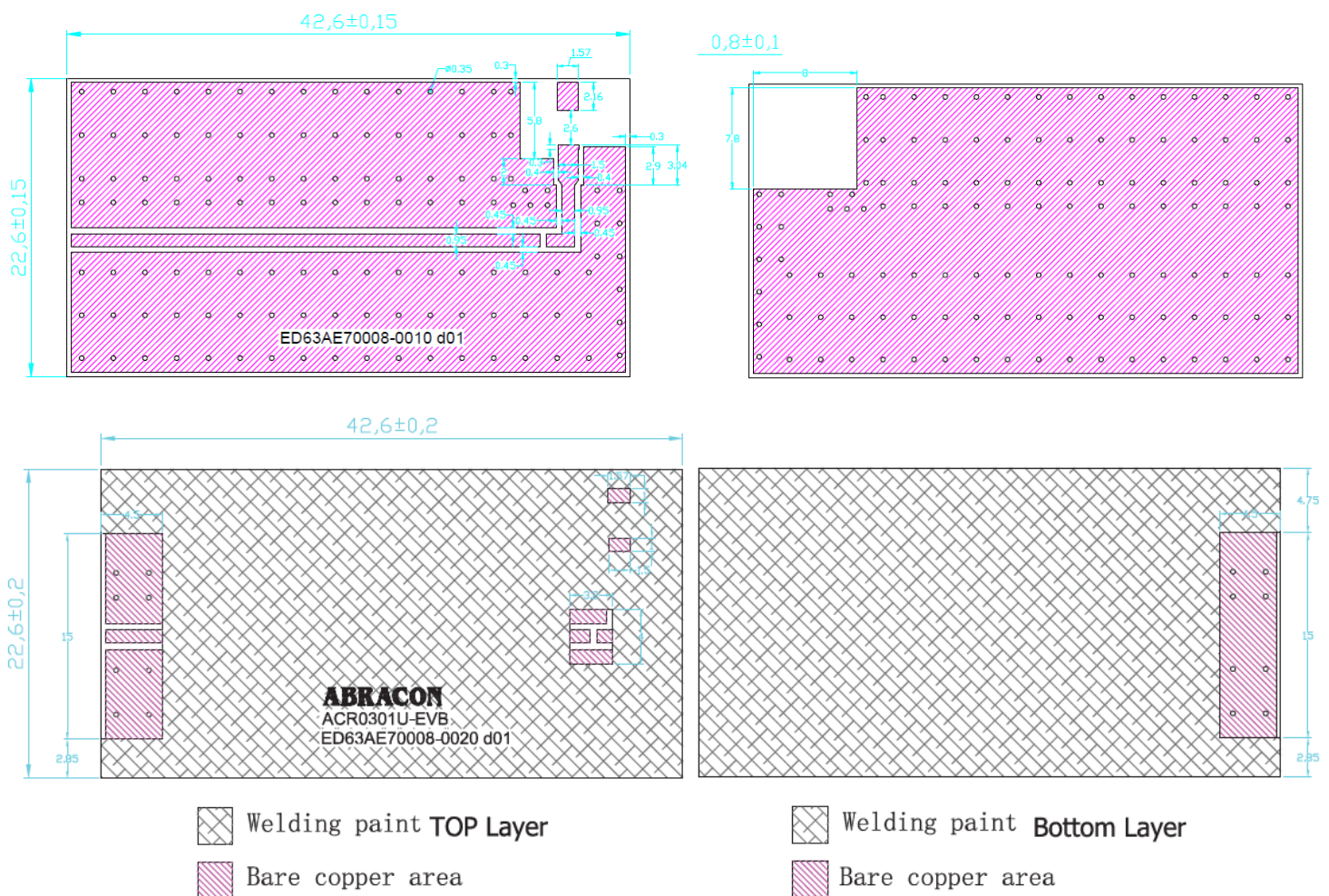
**MSL Level = 1**

## Description

ACR0301U-EVB Evaluation boards are designed to provide a means to facilitate engineering evaluation of the chip antenna: ACR0301U. With a typical operating frequency range of 6.24 ~ 8.5 GHz, the chip can be used for UWB applications.

To evaluate the performance of antenna, calibrate the Vector Network analyzer (VNA) for the testing frequency band and connect the evaluation board to the calibrated port using the given SMA connector on the board.

### Evaluation Board and Dimensions



Note: Evaluation Board dimension: 42.6 x 22.6 x 0.8mm

Unit: mm



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**REVISED: 09-15-21**

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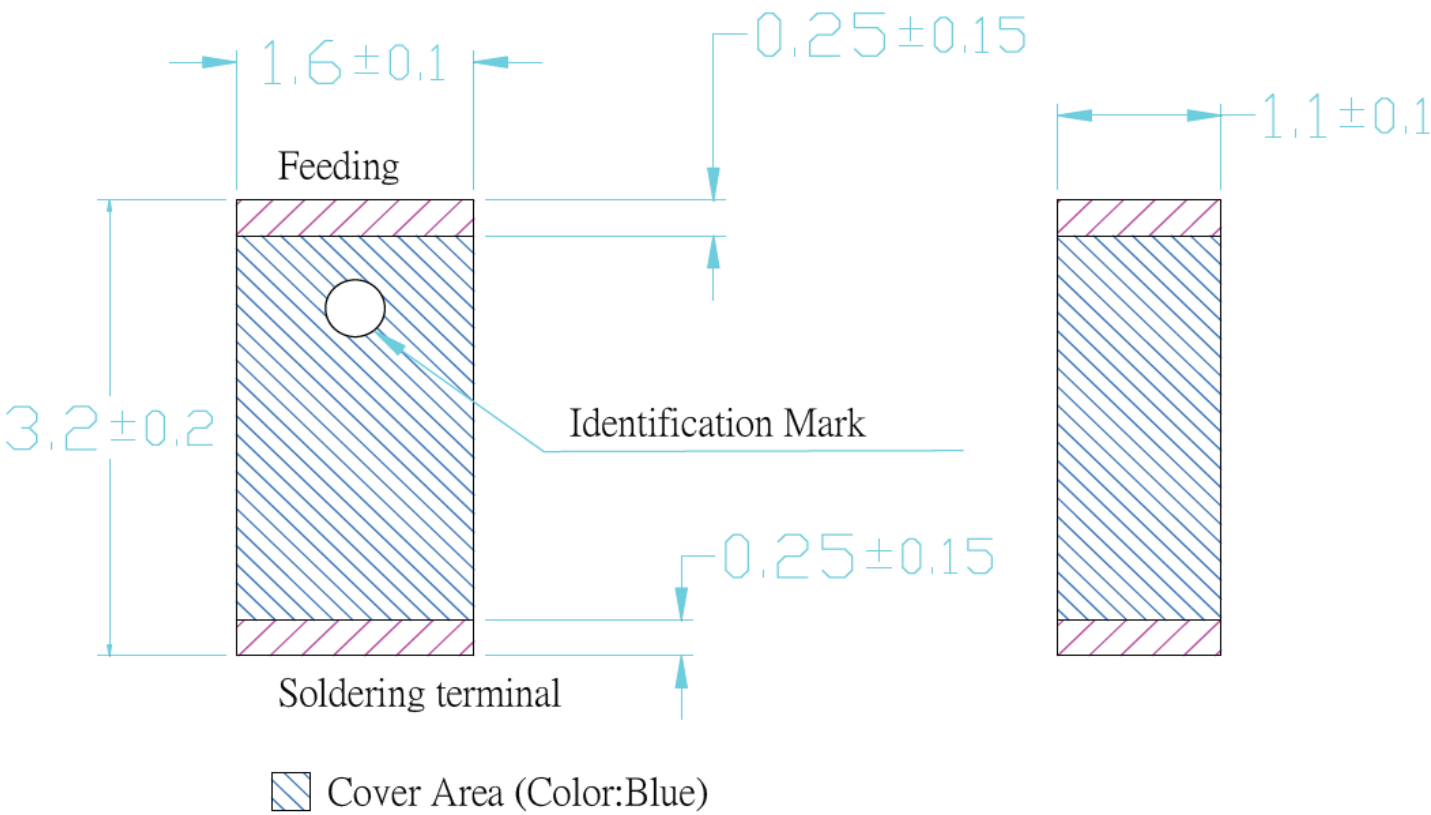
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## Chip Antenna Dimensions



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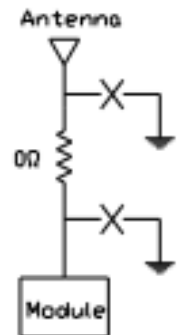
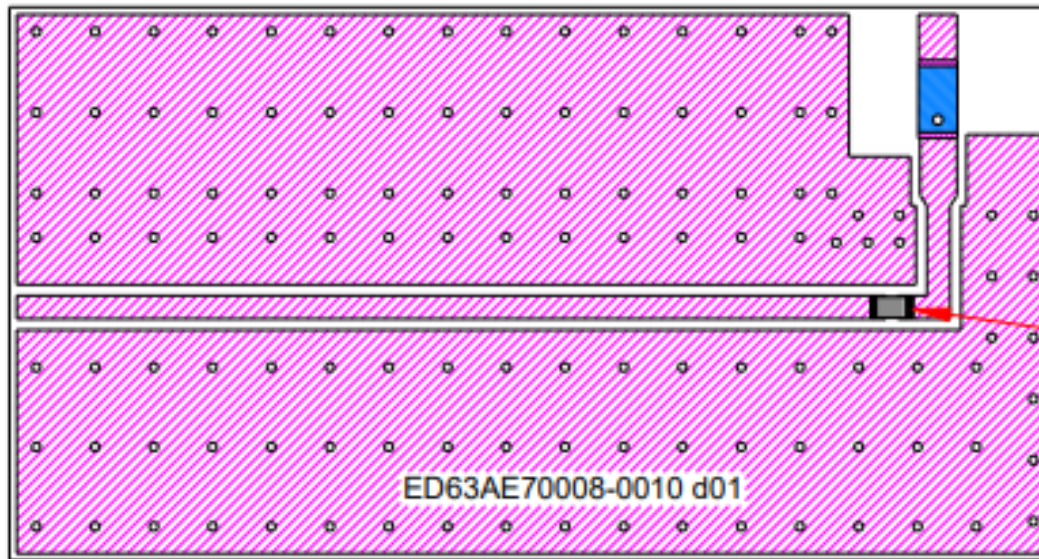


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## Matching Network on EVB



### Note:

1. Desired metal/ground clearance area: 8 x 7.8 mm
2. Width of the 50  $\Omega$  line is designed in accordance with the PCB thickness and material considered
3. Matching network (Pi - network) provided is in accordance with the EVB layout and matching will differ in the actual customer PCB depending on the layout

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