Evaluation Board - UWB (3 GHZ ~ 6 GHZ) - CHIP ANTENNA

ACR1004U-EVB

Request Samples 🕥

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45 x 18 x 1 mm RoHS/RoHS II Compliant MSL Level = N/A

Description

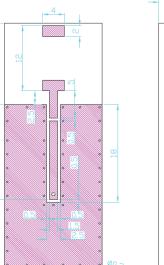
ACR1004U-EVB Evaluation boards are designed to provide a means to facilitate engineering evaluation of the chip antenna: ACR1004U. With a typical operating frequency range of $3 \sim 6$ GHZ, the chip can be used for UWB applications.

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.

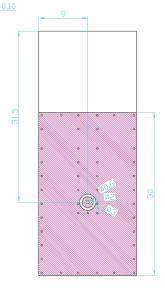
Evaluation Board and Dimensions



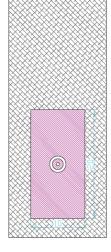
Bare copper area



Copper foil areaTOP Layer



Copper foil areaBottom Layer



Welding paint Bottom Layer

Note: Evaluation Board dimension: 45 x 18 x 1 mm

Unit: mm

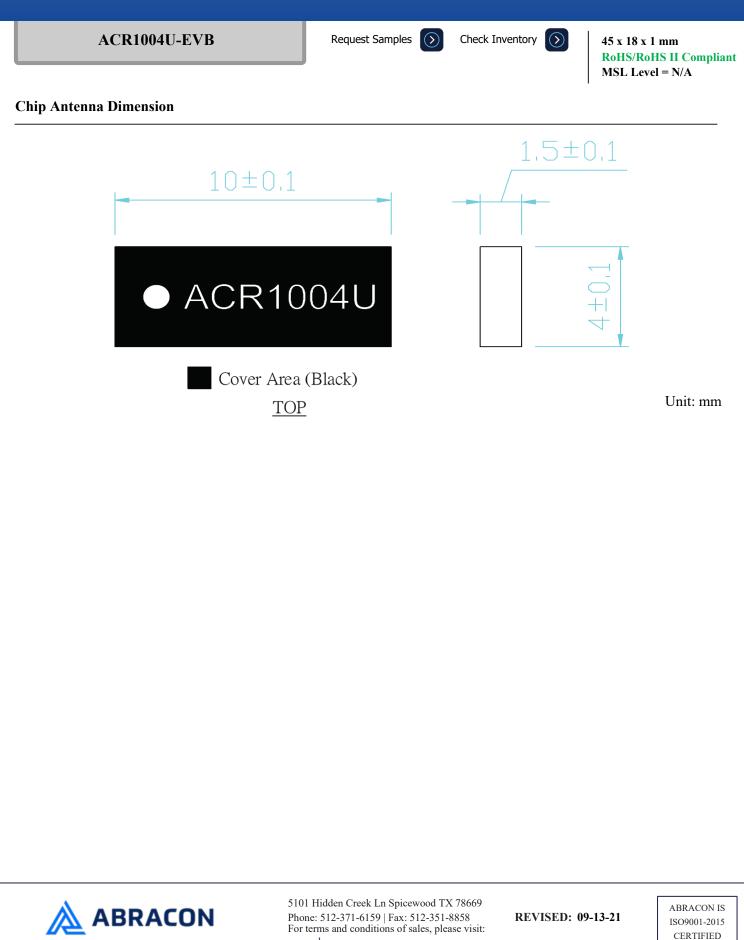


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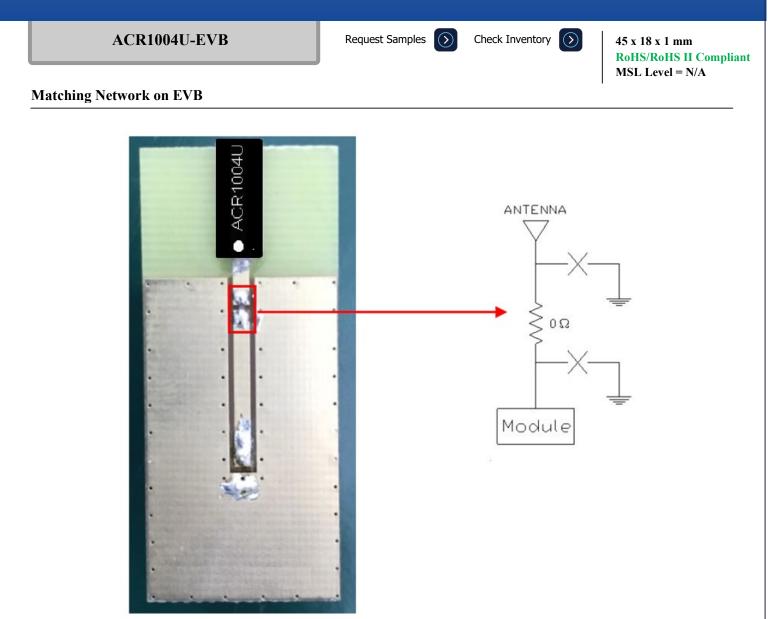
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Note:

- 1. Desired metal/ground clearance area: 15 x 18 mm
- 2. Width of the 50 Ω 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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