

RF Connector Datasheet

Product OC: YSLT006W2BM

Version: 1.0

Date: 2025-12-22

Status: Released

Product Name: DC–6GHz Right Angle SMA Male Connector

Key Features:

Frequency Band: DC–6000 MHz

Dimensions: 14.5 mm × 13 mm × 6 mm

Connector Type: RA-SMA-Female-Board

RoHS Compliant

Overview

To meet the requirements of devices for RF connection among antennas, modules, and motherboards, as well as long-distance wiring, Quectel provides customers with a wide range of RF cable/connector products. These cables/connectors use high-quality materials and connectors to reduce the loss to the greatest extent, ensuring overall RF performance. Quectel also provides customized services according to customers' particular requirements for cable material, cable length, and connector type.

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1 Specification

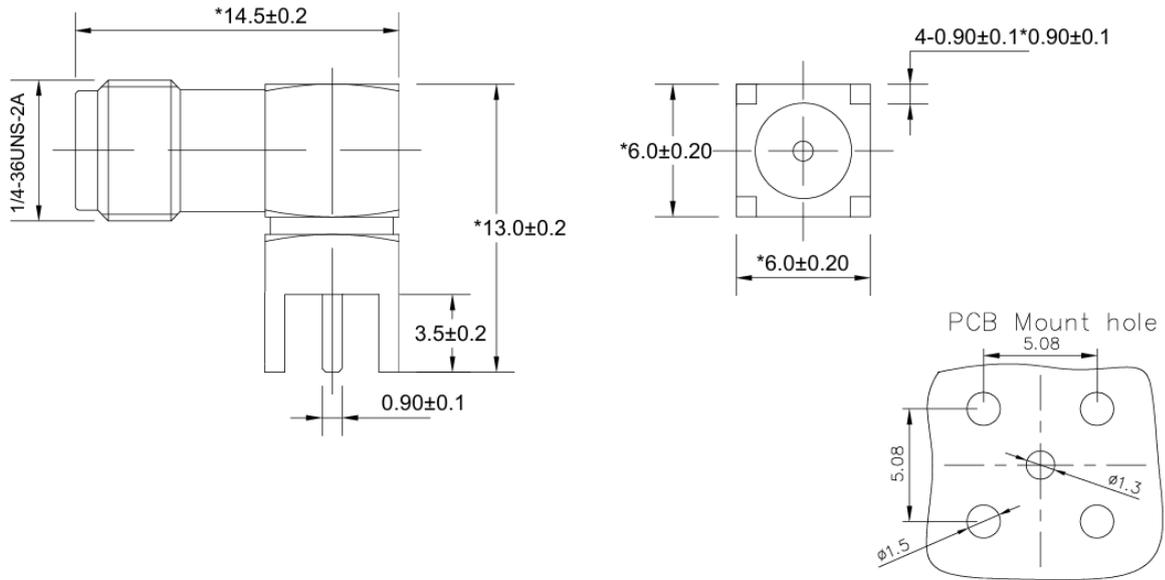
1.1. Electrical

Electrical	
Frequency Range	DC–6000 MHz
Impedance	50 Ω
VSWR	≤ 1.5
Rated voltage value	480 V

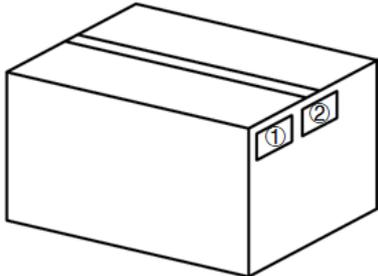
1.2. Mechanical & Environmental

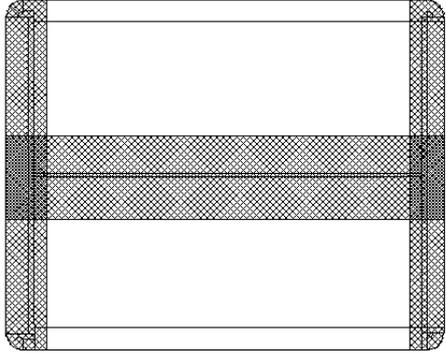
Mechanical	
Dimensions	14.5 mm × 13 mm × 6 mm
Connector Type	RA-SMA-Female-Board
Weight	Typ. 2.78 g
Mounting type	Soldering
Environmental	
Operation Temperature	-45 °C to +85 °C
Storage Temperature	-45 °C to +85 °C
RoHS Compliant	Yes

2 Drawing



3 Packaging

Step	Packaging Picture / 2D Picture	Description
1		<p>100 products in a blister tray. (100 Products / Blister Tray)</p>
2		<p>5 blister trays tied together.</p>
3		<p>(20 Blister Trays / Carton Box) (2000 Products / Carton Box) Estimated quantity Products that cannot fill the entire carton box are packed in a suitable size carton box. <u>Carton Size:</u> <u>L × W × H = 275 × 275 × 185 mm</u></p>
4		<p>Position for Attaching Labels ① Carton Label ② Quality Label</p>

5	 A technical drawing of an H-shaped sealing carton. It consists of a central rectangular frame with two horizontal bars crossing it, forming an 'H' shape. The entire structure is filled with a cross-hatched pattern, indicating it is a solid or reinforced material. The corners of the vertical bars are rounded.	<p>Sealing Cartons H-shaped sealing cartons</p>
Note	<p>The initial packaging method described above is for reference only, and the final actual packaging method shall be subject to the actual shipping packaging.</p>	

Contact Us

At Quectel, our aim is to provide timely and comprehensive services to our customers. If you require any assistance, please contact our headquarters:

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Or our local offices. For more information, please visit:

<https://www.quectel.com/contact/>.

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Revision History

Version	Date	Author	Note
-	2025-12-22	Christopher Yao/ Blake Xiang/ Strong Qiang/ Rainey Liao	Creation of the document
1.0	2025-12-22	Christopher Yao/ Blake Xiang/ Strong Qiang/ Rainey Liao	First official release

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