

Wi-Fi/Bluetooth RP-SMA-M 5dBi Antenna



Overview

The Wi-Fi & Bluetooth connector mount antenna covering the 2.4–2.5 GHz band. With 5 dBi of gain and linear polarization, it delivers reliable wireless performance for routers and gateways across the Wi-Fi and Bluetooth spectrum.

Terminating in a standard RP-SMA male connector, the antenna is rated from -40°C to $+65^{\circ}\text{C}$ and is compatible with a wide range of Robustel routers, including the R1000, R2000, R3000, and R5020 series.

Key Features



2.4–2.5GHz Coverage

Covers the full 2.4–2.5 GHz band for reliable Wi-Fi and Bluetooth connectivity.



5dBi Gain

Delivers 5 dBi of gain for extended wireless range.



Low VSWR

Voltage standing wave ratio of 2.0 or better for efficient power transfer.



Wide Operating Temperature Range

Rated for continuous operation from -40°C to $+65^{\circ}\text{C}$.



Linear Polarization

Linearly polarized element optimized for connector-mount installations.



RP-SMA Male Connector

Standard RP-SMA male termination for simple, secure installation.

Electrical Specifications

Frequency Range	2.4 ~ 2.5 GHz
Gain	5dBi
V.S.W.R	2 Max
Polarization	Linear
Impedance	50 Ohm

Environment

Operating Temperature	-40°C ~ +65°C
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Certification

RoHS Compliant

Mechanical

Overall Length	195.0 ± 3.0 mm
Diameter	Ø13.0 mm
Connector	RP-SMA Male
Mounting Type	Connector-mount (screw-on)

Ordering Information

Part Number	HTL-NET-ANT-E003203_01
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Specifications

Unit Structure

