

WPANT10099

Dual-band Wi-Fi / BT / ZigBee Antenna



WPANT10099-S1A 6" micro co-ax with IPX MHF connector

Note: Different cable and connector style requests can be accommodated.

Application

A flexible plug and play antenna for wireless devices operating at 2.4 GHz and 5 GHz Wi-Fi / WLAN frequencies. This antenna works very well on any non-metallic surface.

We can assist your engineers to optimize mounting positions for these antennas in your specific application and can further assist to troubleshoot system integration issues such as TRP/TIS and FCC requirements. We specialize in developing customized Antenna solutions. Please contact sales@worldproducts.com with your specific application requirements.

Electrical Properties

Operating Frequency	2.4 – 2.5 GHz	4.9 – 5.9 GHz
Approximate Antenna Impedance [Ω]	50 Ω	50 Ω
VSWR (Typical)*	< 2:1	< 2:1
Peak Gain [dBi] (Typical)*	2.5 dBi	4.5 dBi
Efficiency [%] (Typical)*	80 %	70 %
Polarization	Linear	Linear
Pattern	Omni-directional	Omni-directional

*Note: These performance metrics will vary depending on the position of the antenna within a given wireless device, and the antenna integration optimization.

Mechanical / Environmental Properties

Antenna Dimensions	1.6" x 0.2" x 0.005" (40mm x 5mm x 0.127mm)
Antenna Color	Black
Operating / Storage Temperature	-40°C to +125°C
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant

Picture



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World Products Inc.
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