

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.

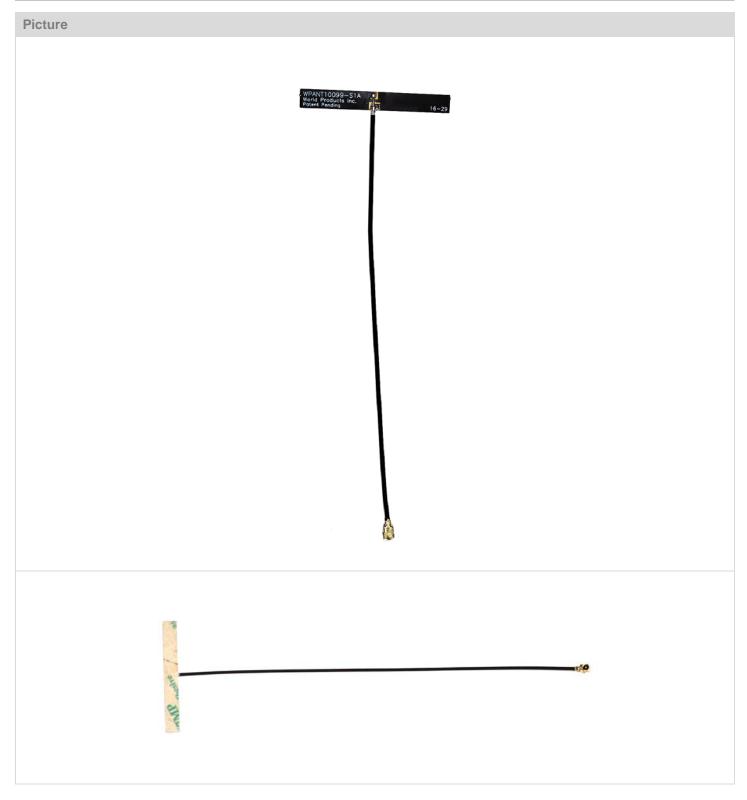
| Electrical Properties | | |
|--|------------------|------------------|
| Operating Frequency | 2.4 – 2.5 GHz | 4.9 – 5.9 GHz |
| Approximate Antenna Impedance $[\Omega]$ | 50Ω | 50Ω |
| VSWR (Typical)* | < 2:1 | < 2:1 |
| Peak Gain [dBi] (Typical)* | 2.5 dBi | 4.5 dBi |
| Efficiency [%] (Typical)* | 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 | |

Rev: 2.0 September 07, 2016 Page | 1





Rev: 2.0 September 07, 2016 Page | **2**