

WPANT10010-S1A

Wi-Fi / ZigBee / WLAN Dual-band Miniature Antenna



Description / Application

This is a Wi-Fi / ZigBee / WLAN dual-band, low-profile, miniature antenna. It can be mounted on any non-metallic surface to achieve optimal performance. This can also be mounted on metallic surfaces with little sacrifice in performance. Small size and ease of integration make this an ideal choice for applications where space is a constraint. This antenna has two installation options: standard 3M double stick tape on one side and slide-and-fit on the other side. Standard cable is 7.9" long 1.32mm Micro Co-ax and connector is IPX / Hirose equivalent .

We can assist your engineers to optimize mounting positions for these antennas in your specific application and can further assist to trouble shoot 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	< 2.5:1
Peak Gain [dBi] (Typical)	4 dBi	2 to 3 dBi
Efficiency [%] (Typical)	~ 65 %	~ 60 %
Polarization	Linear	Linear
Pattern	Near Omni-directional	Near Omni-directional

Mechanical / Environmental Properties

Antenna Dimensions	1.7" X 0.8" X 0.26" (including 3M tape thickness)
Antenna Color	Black
Cable	7.9" long 1.32mm OD Micro Co-ax
Connector	IPX / Hirose equivalent
Tape	45 mils thick 3M VHB 4941 double stick
Operating / Storage Temperature	-40°C to +90°C
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant

Pictures of the Antenna

