

WPANT10011-S1B

ISM Dual-band Miniature Antenna



Description / Application

This is an ISM 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 3 feet long 1.32mm U.FL with SMA Male connector.

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	900 – 930 MHz	2.4 – 2.5 GHz
Approximate Antenna Impedance [Ω]	50 Ω	50 Ω
VSWR – Typical	< 2:1	< 2:1
Peak Gain [dBi] (Typical)	~ 2 dBi	~ 3 dBi
Efficiency [%] (Typical)	~ 55%	~ 65%
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	3 feet long 1.32mm dia micro coax
Connector	Straight SMA Male
Tape	45 mils 3M VHB 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

