

WPANT30086

2.4 GHz Wi-Fi Body-mount Antenna



<u>WPANT30086-S1A</u>	12" micro co-ax with RP SMA Male
<u>WPANT30086-S2B</u>	10" micro co-ax with IPX U.FL Connector
<u>WPANT30086-S3A</u>	18" micro co-ax with SMA Male
<u>WPANT30086-S4A</u>	24" micro co-ax with RP SMA male
<u>WPANT30086-S5A</u>	5" micro-coax with SMA Male
<u>WPANT30086-S6A</u>	15" RG178 cable with RP TNC Plug
<u>WPANT30086-S7A</u>	10" RG174 cable with RP SMA Male

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

Application

This is a 2.4 – 2.5 GHz Wi-Fi/WLAN Body mount antenna. It is surface independent, which means it performs efficiently on metallic as well as on non-metallic surfaces.

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
Approximate Antenna Impedance [Ω]	50Ω
VSWR (Typical)	< 2:1
Peak Gain [dBi] (Typical)	2 dBi
Efficiency [%] (Typical)	60 – 70 %
Polarization	Linear
Pattern	Near Omni-directional
Accepted Power [W] (Max)	2 Watts

Mechanical / Environmental Properties

Antenna Dimensions	1.5" x 1.3" Base Dia (38mm x 32.3mm) (Including 3M tape thickness)
Antenna Color	Black
Tape	Standard 3M 4920 double stick
External Bottom Gasket Material	Standard 3M 6208 foam
Nut	Standard Nylon M12
Torque for the Nut	1.2
Antenna Plastic Radome	ABS + Polycarbonate
Operating / Storage Temperature	-40°C to +90°C
Environmental	Salt Spray Resistant, Water Ingress Resistant, UV Resistant, Ageing Resistant, Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant