

## WPANT30088-S1A

### ISM Dual-band Body-mount Antenna



### Description / Application

This is a 870 / 915 / 2450 MHz dual-band ISM, miniaturized body-mount antenna. Small size and ease of integration make this an ideal choice for applications where space is a constraint. Standard cable is 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. Please contact [sales@worldproducts.com](mailto:sales@worldproducts.com) with your specific application requirements.

### Electrical Properties

<b>Operating Frequency</b>	860 – 960 MHz	2400 – 2500 MHz
<b>Approximate Antenna Impedance [<math>\Omega</math>]</b>	50 $\Omega$	50 $\Omega$
<b>VSWR – Typical</b>	< 2:1	< 2.5:1
<b>Peak Gain [dBi] (Typical)</b>	2.5 dBi	4.5 dBi
<b>Efficiency [%] (Typical)</b>	60%	65%
<b>Polarization</b>	Linear	Linear
<b>Pattern</b>	Near Omni Directional	Near Omni Directional

### Mechanical / Environmental Properties

<b>Antenna Dimensions**</b>	2" X 1.1" X 0.8" (50mm X 27mm X 20mm)
<b>Antenna Color</b>	Black
<b>Cable</b>	8.1" long 1.32mm OD Micro Co-ax
<b>Connector</b>	IPX / Hirose equivalent
<b>Tape</b>	Standard 3M 4920 double stick
<b>External Bottom Gasket Material</b>	Standard 3M 6208 foam
<b>Nut</b>	Nylon M12 with a slit for the cable
<b>Antenna Plastic Radome</b>	ABS + Polycarbonate
<b>Operating / Storage Temperature</b>	-40°C to +90°C
<b>Environmental</b>	Salt Spray Resistant, Water Ingress Resistant, UV Resistant, Ageing Resistant, Meets standards for UL 94V-0
<b>Hazardous Materials</b>	RoHS Compliant

\*\*Height includes the 3M tape & foam gasket thickness.

## Pictures of the Antenna



Note: The screw mount has two flat edges on opposite sides.

**Antenna Total Radiation Efficiency in % (including VSWR losses)**

