

## WPANT30069-S1A

### 2.4 GHz & 5 GHz Wi-Fi Dual-band Body-mount Antenna



#### Description / Application

This is a Dual-Band Wi-Fi / WLAN Body mount antenna. It is surface independent, which means it performs efficiently on metallic as well as non-metallic surfaces. Standard cable is 1.32mm Micro Co-ax U.FL and connector is IPX / Hirose equivalent.

Please contact [sales@worldproducts.com](mailto:sales@worldproducts.com) with your specific application requirements.

#### Electrical Properties

	2.4 – 2.5 GHz	4.9 – 5.9 GHz
<b>Operating Frequency</b>	2.4 – 2.5 GHz	4.9 – 5.9 GHz
<b>Approximate Antenna Impedance [<math>\Omega</math>]</b>	50 $\Omega$	50 $\Omega$
<b>VSWR – Typical</b>	< 2:1	< 2:1
<b>Peak Gain [dBi] (Typical)</b>	3 dBi	4.5 dBi
<b>Efficiency [%] (Typical)</b>	60 %	70 %
<b>Polarization</b>	Linear	Linear
<b>Pattern</b>	Near Omni-directional	Near Omni-directional
<b>Accepted Power [W] (Max)</b>	2 Watts	2 Watts

#### Mechanical / Environmental Properties

<b>Antenna Dimensions</b>	1.5" Height** X 1.3" Base Dia (38mm X 32.3mm)
<b>Antenna Color</b>	Black
<b>Cable</b>	5.9" long 1.32mm dia Micro Co-ax U.FL
<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>	Standard Nylon M12
<b>Torque for the Nut</b>	1.2
<b>Antenna Plastic Radome</b>	ABS + Polycarbonate
<b>Operating / Storage Temperature</b>	-40°C to +90°C
<b>Environmental (for the complete antenna assembly, including the external foam gasket)</b>	Salt Spray Resistant, Water Ingress Resistant, UV Resistant, Ageing Resistant, Meets standards for UL 94V-0 This antenna is built in accordance with: IP 67,66,65 NEMA 250-2008 ASTM G 85-2009 ASTM G 154-2006
<b>Hazardous Materials</b>	RoHS Compliant

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

Pictures of the Antenna



**VSWR of the Antenna**

