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## WPANT30102-S1B

## 2.45 GHz Wi-Fi MIMO Body-mount Antenna



Note: Prototypes shown. The actual antenna will be grey in color.

## **Description / Application**

This is a Wi-Fi / WLAN MIMO Body mount antenna. It is surface independent, which means it performs efficiently on metallic as well as non-metallic surfaces. The recommended minimum spacing between the two elements is 70mm. Standard cable is 24" long 1.32mm OD micro coax and connector is RP - SMA Male.

Please contact <a href="mailto:sales@worldproducts.com">sales@worldproducts.com</a> with your specific application requirements.

Electrical Properties	
Operating Frequency	2.4 – 2.5 GHz
Approximate Antenna Impedance $[\Omega]$	50Ω
VSWR – Typical	< 2:1
Peak Gain [dBi] (Typical)	2 to 3 dBi
Efficiency [%] (Typical)	60 – 70 %
Isolation [dB] (Typical)	< -30 dB
Polarization	Linear
Pattern	Near Omni-directional

Mechanical / Environmental Properties	
Antenna Dimensions	1.5" Height** X 1.3" Base Dia (38mm X 32.3mm)
Antenna Color	Grey
Cable	24" long 1.32mm OD Micro Co-ax
Connector	Reverse Polarity Straight SMA Male
Таре	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 (for the complete antenna assembly, including the external foam gasket)	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
Hazardous Materials	RoHS Compliant

<sup>\*\*</sup>Height includes the 3M tape & foam gasket thickness.

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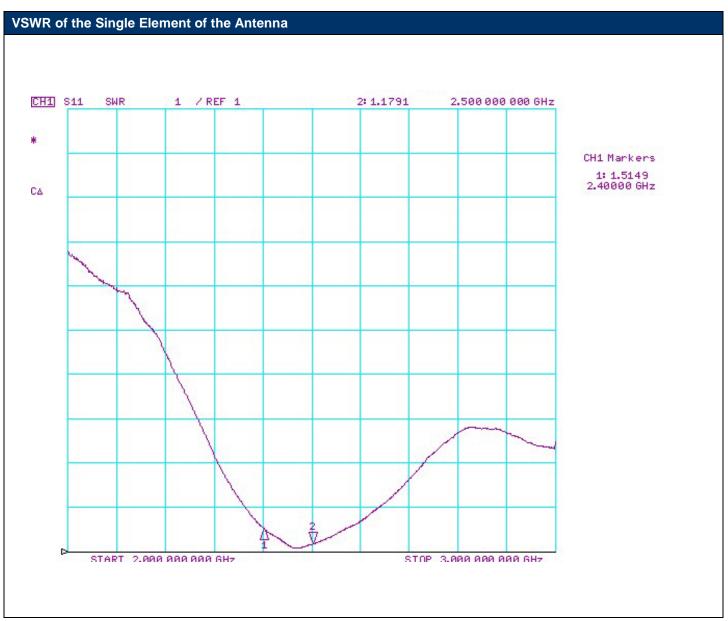
## **Pictures of the Antenna**



Note: Prototypes shown here. The actual antenna will be grey in color.

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