

WPANT30152

MIMO Body-mount Antenna – Dual-band Wi-Fi



WPANT30152-S1A

12" micro co-ax with RP-SMA Male connector

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

Application

This MIMO body-mount antenna 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.

We specialize in developing customized Antenna solutions. Please contact sales@worldproducts.com with your requirements.

Electrical Properties

Operating Frequency	2.4 – 2.5 GHz	4.9 – 5.9 GHz
Approximate Antenna Impedance [Ω]	50 Ω	50 Ω
VSWR (Typical)	< 2:1	< 2:1
Peak Gain [dBi] (Typical)	1.5 to 3 dBi	2.5 to 3.5 dBi
Efficiency [%] (Typical)	60 %	70 %
Isolation [dB] (Typical)	< -30 dB	< -30 dB
Polarization	Linear	Linear
Pattern	Near Omni-directional	Near Omni-directional

Mechanical / Environmental Properties

Antenna Dimensions**	1.5" Height x 1.3" Base Dia (38mm x 32.3mm)
Antenna Color	Black
Tape	3M 4920 double stick
External Bottom Gasket Material	3M 6208 foam
Nut	Nylon M12
Antenna 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

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

Picture

