

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 with your specific application requirements.

Electrical Properties

	2.4 – 2.5 GHz	4.9 – 5.9 GHz
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)	3 dBi	4.5 dBi
Efficiency [%] (Typical)	60 %	70 %
Polarization	Linear	Linear
Pattern	Near Omni-directional	Near Omni-directional
Accepted Power [W] (Max)	2 Watts	2 Watts

Mechanical / Environmental Properties

Antenna Dimensions	1.5" Height** X 1.3" Base Dia (38mm X 32.3mm)
Antenna Color	Black
Cable	5.9" long 1.32mm dia Micro Co-ax U.FL
Connector	IPX / Hirose equivalent
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 (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.

Pictures of the Antenna



VSWR of the Antenna

