

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 with your specific application requirements.

Electrical Properties

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

Mechanical / Environmental Properties

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

