

WPANT30026-S5A

Dual-band ISM Omni-directional Body-mount Disc Antenna



Description / Application

This is a high performance Omni directional, body mount Industrial grade antenna that operates at 865 MHz, 915 MHz and 2.4 GHz bands. This comes with a 1 meters long RG58 Cable and Straight RP-SMA Male connector. This antenna works well on any mounting surface, metal or non-metal. The antenna is at DC ground to ensure protection against lightning.

We can assist your engineers to optimize mounting positions for these antennas in your specific application and can further assist to trouble shoot system integration issues such as TRP/TIS and FCC requirements. We specialize in developing customized Antenna solutions. Please contact sales@worldproducts.com with your specific application requirements.

Electrical Properties

Operating Frequency	860 – 960 MHz	2.4 – 2.5 GHz
Approximate Antenna Impedance [Ω]	50Ω	50Ω
VSWR – Typical*	< 2:1	< 3:1
Peak Gain [dBi] (Typical)*	3 to 4 dBi	~ 3 dBi
Efficiency [%] (Typical)*	~ 80 %	~ 65 %
Polarization	Linear	Linear
Pattern	Omni-directional	Omni-directional
Lightning Protection	DC ground	DC ground

*Note: These performance metrics were recorded with the antenna placed on top of a WP Test Fixture (Metal plate / metal box), which was developed keeping customer's application in perspective

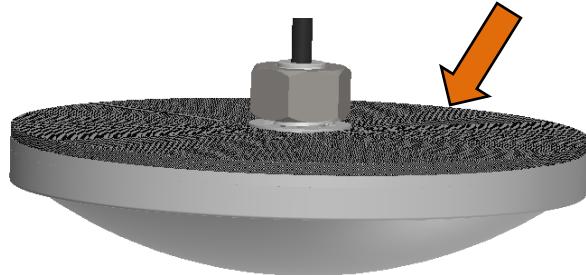
Mechanical / Environmental Properties

Antenna Dimensions	5.5" (Diameter) X 1.32" (Height)
Antenna Color	Cool Grey
Cable	1 meters long RG58 (Black)
Connector	Straight RP-SMA Male
Antenna Radome	ABS + Polycarbonate
Plastic Nut	M14x2.00 Hex Nut (Nylon material) 22.23mm Width
Operating / Storage Temperature	-40°C to +90°C
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant

Pictures of the Antenna



125 Mils 3M 4508 tape



VSWR of the Antenna

