WORLD PRODUCTS INC.

19654 Eighth Street East
P.O. Box 517
Sonoma, CA 95476
(707) 996.5201
www.worldproducts.com
sales@worldproducts.com

WPANT30015-SA

915 MHz & 2.4 GHz Dual-band Body-mount Antenna



Description / Application

This is a high performance Body Mount Industrial grade Antenna that operates at both 915 MHz and 2.4 GHz ISM Bands. It is a "Surface Independent" Antenna in the sense that it performs the same on different surface materials (metals, plastics, air, etc.). The Antenna can be configured with different Cable / Connector styles & lengths. The standard cable length is 1.0 meter & the standard connector is SMA male. The antenna is at DC ground to ensure protection against lightning.

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

Electrical Properties

Operating Frequency*	902 – 928 MHz	2.4 – 2.5 GHz
Approximate Antenna Impedance [Ω]	50Ω	50Ω
VSWR – Typical*	< 1.5:1	< 1.5:1
Peak Gain [dBi] (Typical)*	~ 2 dBi	~ 4 dBi
Efficiency [%] (Typical)*	55 – 80 %	55 – 80 %
Polarization	Linear	Linear
Pattern	Near Omni-directional	Near Omni-directional
Accepted Power [W] (Max)	2 Watts	2 Watts
Lightning Protection	DC ground	DC ground

*Note: These performance metrics were recorded on WP Test Fixture (Metal box), which was developed keeping customer's application in perspective

Mechanical / Environmental Properties

Antenna Dimensions	3.7''X 2.4'' X 0.5'' (95mm X 60mm X 14mm)
Antenna Color	Black
Cable	1.0 meters RG-174
Connector	SMA Male
Antenna Radome	Polycarbonate, Black color
Operating / Storage Temperature	-40^{o}C to +90^{o}C
Environmental	Salt Spray Resistant, Water Ingress Resistant, UV Resistant, Ageing Resistant, Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant
Packaging	Meets ISTA 2A Standards

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Pictures of the Antenna (Antenna itself and as mounted on top of a Metal Box)



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VSWR of the Antenna

