WORLD PRODUCTS INC.

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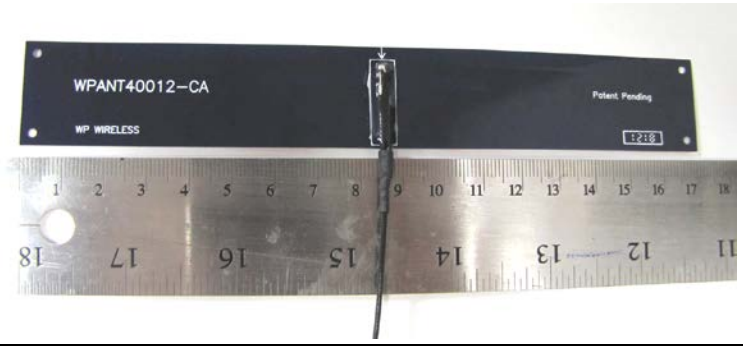
WPANT40012-CA

915 / 2400 MHz ISM Dual-band Wrap-Around AMI Antenna



Description / Application

This is a high performance wrap-around antenna for Electric Meters that operates in both 900 MHz and 2.4 GHz ISM Bands. It has an industrial grade double stick tape on the back for easy installation. Standard cable is 1.32mm dia Micro Co-ax U.FL cable with IPX / Hirose connector.

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	902 – 928 MHz	2.4 – 2.5 GHz
Approximate Antenna Impedance [Ω]	50Ω	50Ω
VSWR – Typical*	< 2.5:1	< 2.5:1
Peak Gain [dBi] (Typical)*	1 to 3 dBi	2 to 3.5 dBi
Efficiency [%] (Typical)*	40 – 60 %	40 – 65 %
Polarization	Linear	Linear
Pattern	Near Omni-directional	Near Omni-directional

*Note: The above mentioned relevant performance metrics are recorded with the Antenna placed inside L&G & GE Electric meters. Any modifications with regards to the application/use of this antenna (as defined in this specification) may change antenna performance characteristics. Performance will also vary based on the placement positions of the antenna in the meter. Please contact WPI design team for optimization & placement selection on any meter.

Mechanical / Environmental Properties

Antenna Dimensions	6.7'' X 1'' X 10mils** (170mm X 25mm X 0.25mm)
Antenna Color	Blue
Cable	8.5'' long (from the edge of the PCB) 1.32mm dia Micro Co-ax U.FL
Connector	IPX / Hirose equivalent
Tape on the Back	6mm wide 4930 3M Double Stick
Operating / Storage Temperature	-40°C to +90°C
UV Tolerance	100% UV Resistant
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant

* Thickness is 0.88mm including the tape on back

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Pictures of the Antenna