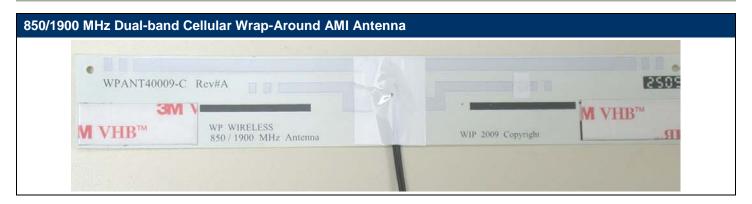


19654 Eighth Street East P.O. Box 517 Sonoma, CA 95476 (707) 996.5201 www.worldproducts.com sales@worldproducts.com

## **WPANT40009-CB**



## **Description / Application**

This is a high performance wrap-around antenna for Electric Meters that operates in both 824-894 MHz and 1850-1990 MHz Cellular Bands. This Antenna helped Systems pass PTCRB Certifications. Standard cable is U.FL 1.13mm micro-coax & connector is IPX/ Hirose equivalent. The Antenna is backed by a 3M double stick industry grade foam tape.

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 <a href="mailto:sales@worldproducts.com">sales@worldproducts.com</a> with your specific application requirements.

Electrical Properties		
Operating Frequency	824 – 894 MHz	1850 – 1990 MHz
Approximate Antenna Impedance [ $\Omega$ ]	50Ω	50Ω
VSWR – Typical*	< 2.5:1	< 2.5:1
Peak Gain [dBi] (Typical)*	3 to 3.7 dBi	3 to 3.5 dBi
Efficiency [%] (Typical)*	40 – 60 %	40 – 65 %
Polarization	Linear	Linear
Pattern	Near Omni-directional	Near Omni-directional

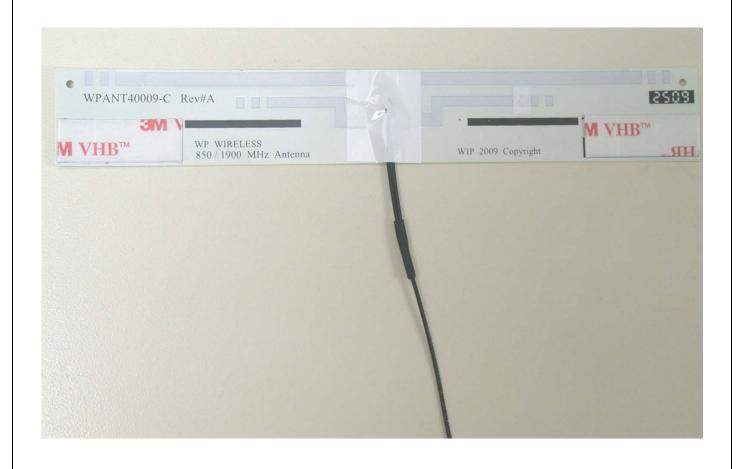
\*Note: The above mentioned relevant performance metrics are recorded with the Antenna wrapped around (installed) the meter's surface, inside the upper plastic cap/drum. Any modifications with regards to the application/use of this antenna (as defined in this specification) may change antenna performance characteristics. Since this is an embedded Antenna, Performance will vary based on the Antenna placement within the meter & also with the variance of the Cable routing.

Mechanical / Environmental Properties		
Antenna Dimensions	6.7" X 1" X 10mils (170mm X 25mm X 0.25mm)	
Antenna Color	White	
Cable	10.6" long (from the edge of the PCB) 1.13mm dia Micro Co-ax U.FL	
Connector	IPX / Hirose equivalent	
Operating / Storage Temperature	-40°C to +90°C	
UV Tolerance	100% UV Resistant	
Environmental	Meets standards for UL 94V-0	
Hazardous Materials	RoHS Compliant	

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## Pictures of the Antenna (by itself and as installed on a typical Electric Utility Meter)



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