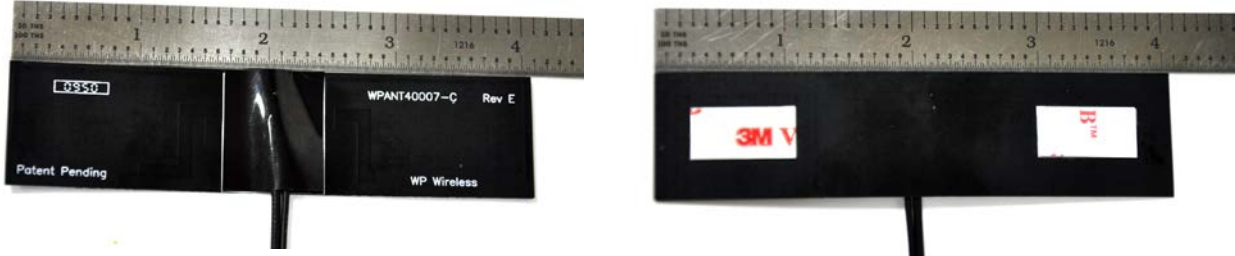


WPANT4007-CE

850/1900 MHz Dual-band Cellular Wrap-Around AMI Antenna



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 works properly on any typical Electric Meter. Standard cable is RG178 & connector is MCX Straight Plug. 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 sales@worldproducts.com with your specific application requirements.

Electrical Properties

Operating Frequency	824 – 894 MHz	1850 – 1990 MHz
Approximate Antenna Impedance [Ω]	50 Ω	50 Ω
VSWR – Typical*	< 2.5:1	< 2.5:1
Peak Gain [dBi] (Typical)*	< 4 dBi	< 4 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	4" X 1" X 10mils (103mm X 25mm X 0.25mm)
Antenna Color	Black
Cable	12.6" long (from the edge of the PCB) RG178
Connector	Straight MCX Plug
Operating / Storage Temperature	-40°C to +90°C
UV Tolerance	100% UV Resistant
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant

Pictures of the Antenna (as installed on a typical Electric Utility Meter)

