

WPANT40011-SC

900 / 2400 MHz ISM Dual Band Wrap-Around AMI Antenna



Description / Application

The WPANT40011-SC antenna is a high performance wrap-around antenna for Electric Meters that operates in both 900 MHz and 2.4 GHz ISM Bands. Standard cable is RG178 & connector is RA MMCX Plug.

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

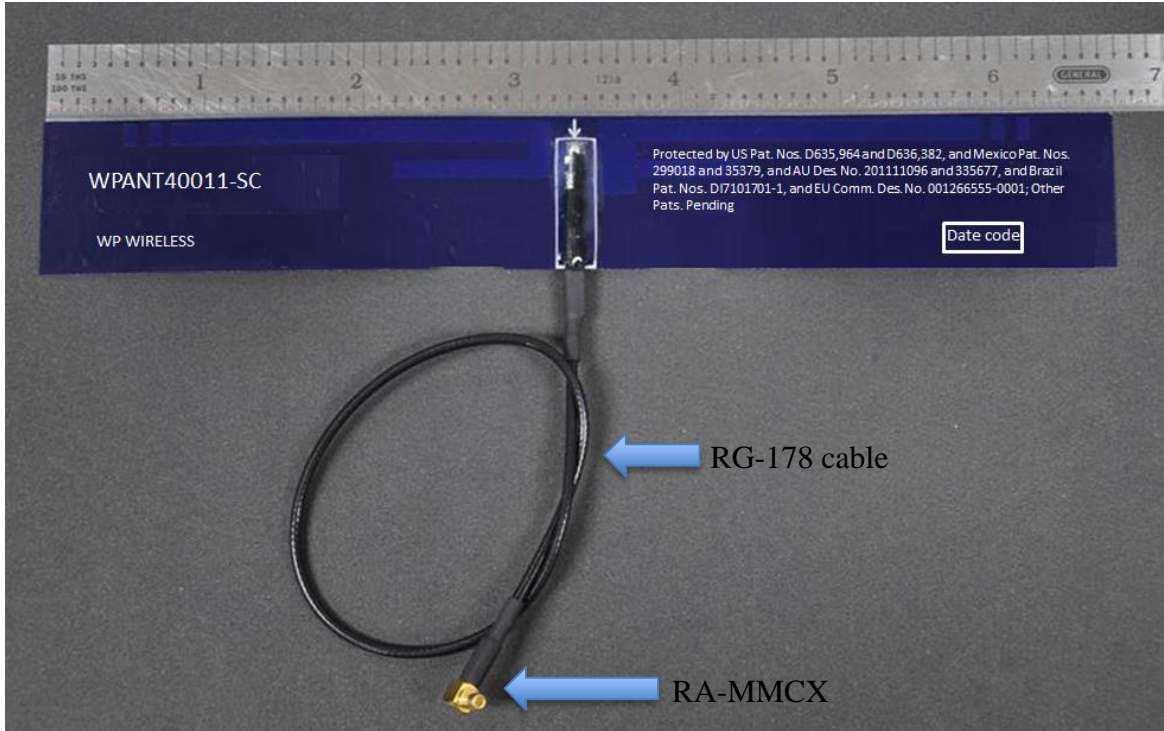
Operating Frequency	902 – 928 MHz	2.40 – 2.50 GHz
Approximate Antenna Impedance [Ω]	50 Ω	50 Ω
VSWR – Typical*	<2:1	<2:1
Peak Gain [dBi] (Typical)*	1 - 3 dBi	2 - 3.5 dBi
Efficiency [%] (Typical)*	40 - 60%	40 - 65%
Polarization	Linear	Linear
Pattern	Near Omni Directional	Near Omni Directional
Accepted Power [W] (Max)	2 Watts	2 Watts

*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	6.69" X 0.98" X 10 mils (170mm X 25mm X 0.25mm)
Antenna Color	Blue
Cable	8.66" (220mm) long RG178
Connector	RA-MMCX Plug
Double Stick Tape	White 3M 4930 VHB
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



Back Side

