

WPANT40003

Flexible ISM Antenna for Smart Meters (AMI)



WPANT40003-S1A

8" RG178 with RA MCX Male connector

Note: Different cable and connector style requests can be accommodated.

Application

This antenna is tuned to perform the best when wrapped around an energy meter. Its high performance design is specifically tailored to sustain high noise environments that exist in a typical energy meter.

We can assist your engineers to optimize mounting positions for these antennas in your specific application and can further help to troubleshoot system integration issues such as TRP/TIS and FCC requirements.

Electrical Properties

Operating Frequency	902 – 928 MHz
Approximate Antenna Impedance [Ω]	50 Ω
VSWR (Typical)*	< 2:1
Peak Gain [dBi] (Typical)*	2 dBi
Efficiency [%] (Typical)*	60 %
Polarization	Linear
Pattern	Near Omni-directional

*Note: Performance of the antenna will vary based on the placement positions of the antenna in the meter.

Mechanical / Environmental Properties

Antenna Dimensions	6.7" x 1.2" x 0.01" (170mm x 29.5mm x 0.25mm)
Antenna Color	Black
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

