

WPANT40005

Flexible 450 MHz Antenna for Smart Meters (AMI)



WPANT40005-SB

8.7" micro co-ax with IPX MHF 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

Lieutical Flopenties	
Operating Frequency	450 – 470 MHz
Approximate Antenna Impedance [Ω]	50Ω
VSWR (Typical)*	< 2:1
Peak Gain [dBi] (Typical)*	- 1.5 dBi
Efficiency [%] (Typical)*	40 %
Polarization	Linear
Pattern	Near Omni-directional

*Note: The above mentioned relevant performance metrics are recorded with the Antenna placed on a particular L&G meter. 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.

Mechanical / Environmental Properties	
Antenna Dimensions	7.5" x 1.3" x 0.01" (191mm x 34mm x 0.25mm)
Antenna Color	White
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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VSWR of the Antenna





