WORLD PRODUCTS INC.

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

WPANT40028

Flexible 4G / LTE Cellular Antenna for Smart Meters (AMI)



WPANT40028-C1B *8.86'' micro co-ax with IPX MHF*

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

Application

This antenna is tuned to perform the best at LTE bands 4 &13 when wrapped around an energy meter. Its PTCRB focused 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	740 – 790 MHz	1710 – 2170 MHz
Approximate Antenna Impedance [Ω]	50Ω	50Ω
VSWR (Typical)*	< 2:1	< 2:1
Peak Gain [dBi] (Typical)*	3 dBi	3.5 dBi
Efficiency [%] (Typical)*	70 %	60 %
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) an electric meter's surface, inside the upper plastic cap/drum. Since this is an embedded Antenna, performance may vary based on the Antenna placement within a device & also with the variance of the cable routing.

Mechanical / Environmental Properties

Antenna Dimensions	6.7'' x 1.7'' x 0.01'' (170mm x 44mm x 0.25mm)
Antenna Color	White
Double Stick Tape	15 mils thick 3M 4926 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

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

Picture

