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

## WPANT10023-C01A

## **US Cellular Dual-band Embedded PCB Antenna**



## **Description / Application**

This US Cellular dual-band PCB Antenna is an efficient radiator. This is a very economical design choice as it does not require any cables or connectors.

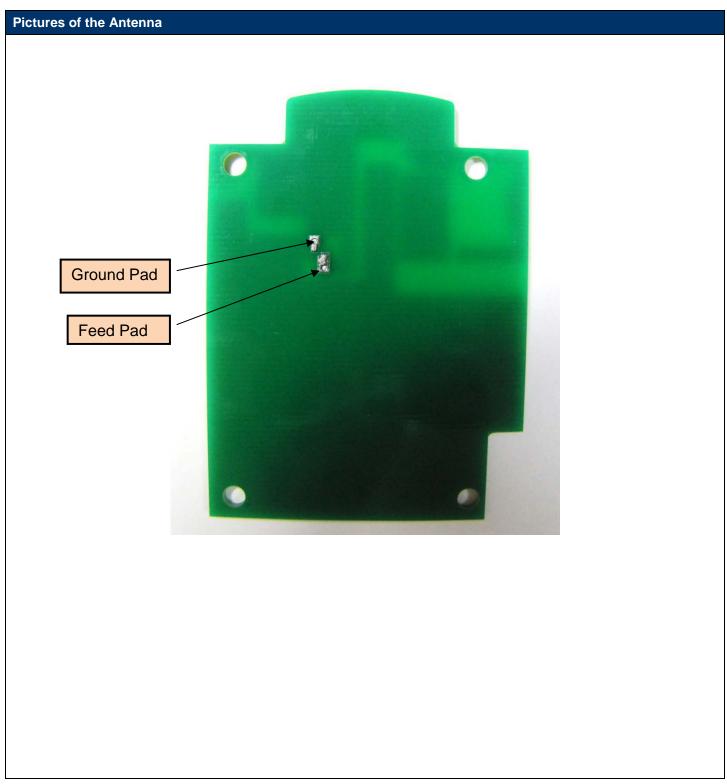
We can assist your engineers to optimize mounting positions for these antennas in your specific application and can further assist to trouble shoot system integration issues such as TRP/TIS and FCC requirements. We specialize in developing customized Antenna solutions. Please contact <a href="mailto:sales@worldproducts.com">sales@worldproducts.com</a> with your specific application requirements.

Electrical Properties		
Operating Frequency	824 – 894 MHz	1850 – 1990 MHz
Approximate Antenna Impedance $[\Omega]$	50Ω	50Ω
VSWR – Typical	< 2:1	< 2.5:1
Peak Gain [dBi] (Typical)	Device and application dependent	Device and application dependent
Efficiency [%] (Typical)	Device and application dependent	Device and application dependent
Polarization	Linear	Linear
Pattern	Near Omni Directional	Near Omni Directional

Mechanical / Environmental Properties		
Antenna Dimensions	2.6" X 1.9" X 0.062" (66mm X 48.5mm X 1.57mm)	
Antenna Color	Green	
Operating / Storage Temperature	-40°C to +90°C	
Environmental	Meets standards for UL 94V-0	
Hazardous Materials	RoHS Compliant	

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