

WPANT10023

3G Cellular Embedded Antenna



Application

This is designed for embedded applications where the antenna is conformal to the device's main circuit board. This antenna solution is cost efficient 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 sales@worldproducts.com with your specific application requirements.

Electrical Properties

Operating Frequency	824 – 894 MHz	1850 – 1990 MHz
Approximate Antenna Impedance [Ω]	50 Ω	50 Ω
VSWR (Typical)	< 2:1	< 2.5:1
Peak Gain [dBi] (Typical)	<i>Device and application dependent</i>	<i>Device and application dependent</i>
Efficiency [%] (Typical)	<i>Device and application dependent</i>	<i>Device and application dependent</i>
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 +125°C
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant

Pictures

