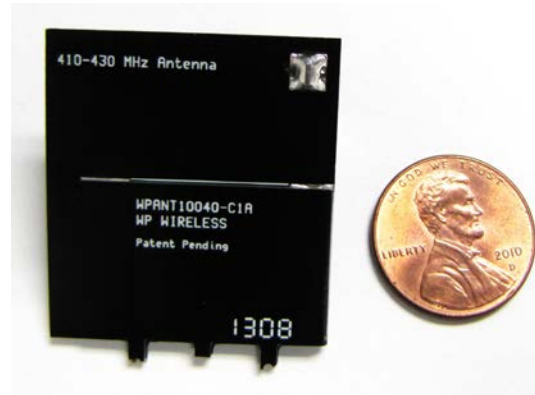


WPANT10040-C1B

420 MHz Embedded Antenna



Note: Rev A antenna shown. Minor updates in Rev B, but looks similar.

Description / Application

This compact embedded antenna is very efficient in its operation and has good bandwidth. The metallic standoff ensures that the antenna stands in the air and so requires only about 4mm X 4mm real estate on your Circuit board. An ideal choice for applications where space is a constraint.

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	410 – 430 MHz
Approximate Antenna Impedance [Ω]	50Ω
VSWR – Typical	< 2:1
Peak Gain [dBi] (Typical)	~ 0.5 dBi
Efficiency [%] (Typical)	~ 40 %
Polarization	Linear
Pattern	Near Omni-directional

Mechanical / Environmental Properties

Antenna Dimensions	1.35" X 1.2" X 0.062" (34.25mm X 30mm X 1.6mm)
Antenna Color	Black
Metallic Standoff Height	0.6" (15mm)
Operating / Storage Temperature	-40°C to +90°C
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant

Pictures of the Antenna



Note: Rev A antenna shown. Minor updates in Rev B, but looks similar.