

WPANT10053

Bluetooth / BLE / Wi-Fi / Zigbee Embedded Antenna



Application

Small size and ease of integration make this an ideal 2.4 GHz chip antenna.

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	2.4 – 2.5 GHz
Approximate Antenna Impedance [Ω]	50 Ω
VSWR (Typical)*	< 2:1
Peak Gain [dBi] (Typical)*	0.5 dBi
Efficiency [%] (Typical)*	40 %
Polarization	Linear
Pattern	Near Omni-directional

*Note: These performance metrics were recorded with the Antenna installed on a circuit board.

Mechanical / Environmental Properties

Antenna Dimensions	0.22" x 0.13" x 0.031" (5.7mm x 3.4mm x 0.79mm)
Antenna Color	Black
Operating / Storage Temperature	-40°C to +125°C
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant

Pictures



2D Drawings of the Board Layout

