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WPANT10053-C1A

2.4 GHz Bluetooth / Wi-Fi / Zigbee Embedded Antenna



Description / Application

This is a 2.4 GHz on board Chip Antenna. Broad bandwidth, good efficiency, compact size and ease of integration make this an ideal choice for applications where there are tight space requirements.

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]	50Ω
VSWR – Typical*	< 2:1
Peak Gain [dBi] (Typical)*	~ 0.5 dBi
Efficiency [%] (Typical)*	35 – 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 +90°C
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant

Rev: 3.0 Created on: March 24, 2014 Created by: MKS Approved by: BP Page | 1



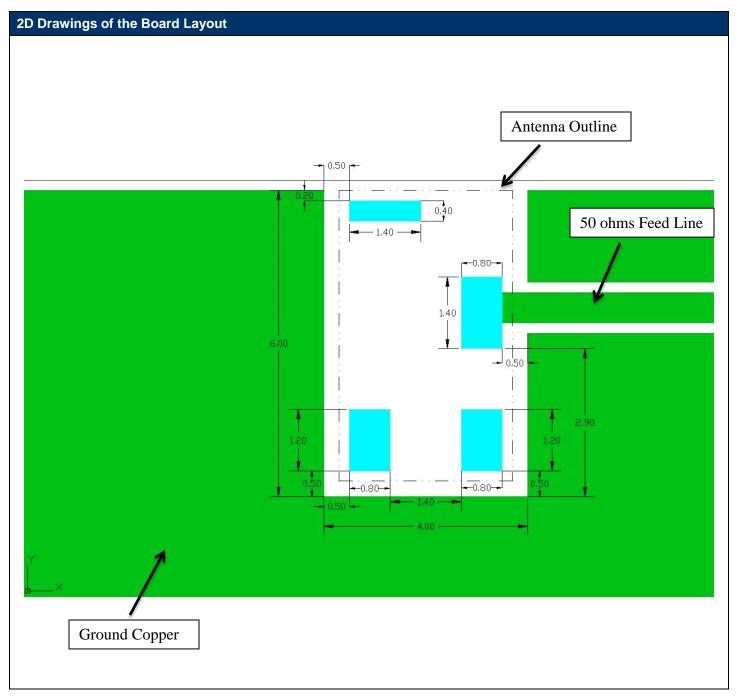
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Pictures of the Antenna



Rev: 3.0 Created on: March 24, 2014 Created by: MKS Approved by: BP Page | 2





Rev: 3.0 Created on: March 24, 2014 Created by: MKS Approved by: BP Page | 3