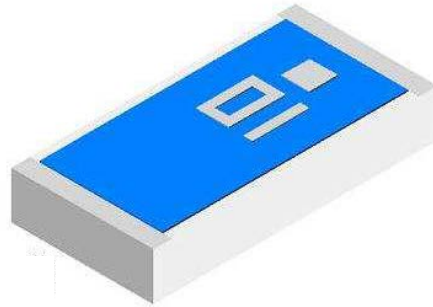


WPANT10066

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 troubleshoot 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

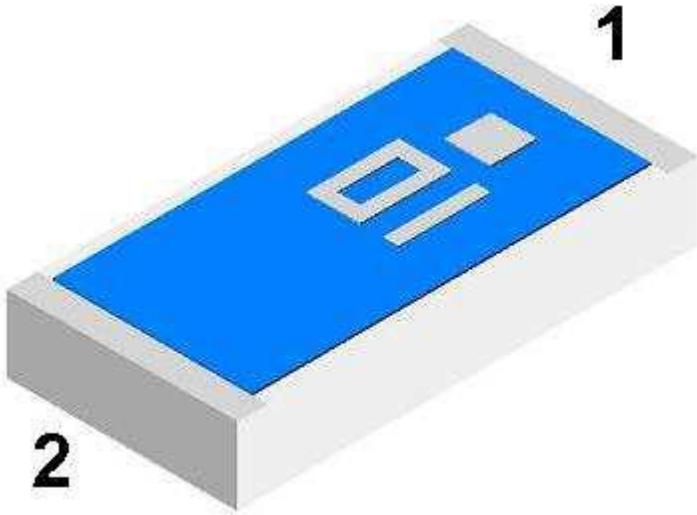
Operating Frequency	2.4 – 2.5 GHz
Approximate Antenna Impedance [Ω]	50 Ω
VSWR (Typical)*	< 2:1
Peak Gain [dBi] (Typical)*	2 dBi
Polarization	Linear
Pattern	Near Omni-directional
Minimum Ground Plane Size Required	30 mm

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

Mechanical / Environmental Properties

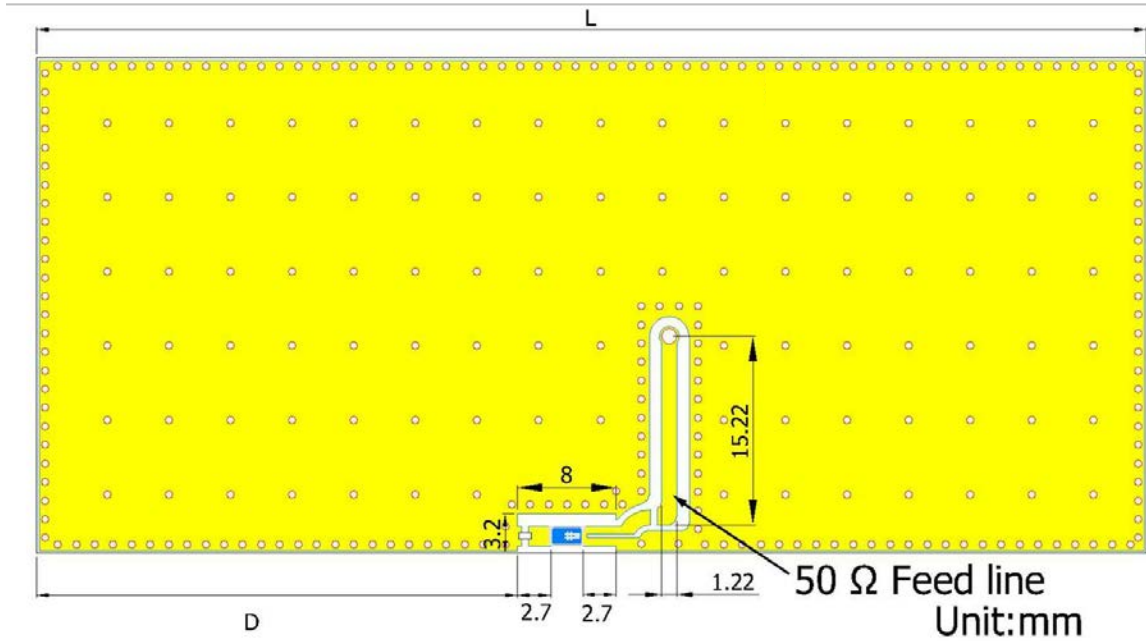
Antenna Dimensions	0.126" x 0.063" x 0.023" (3.2mm x 1.6mm x 0.6mm)
Antenna Color	Blue
Operating / Storage Temperature	-40°C to +125°C
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant

Picture



PIN	Connection
1	Feeding
2	Soldering terminal

Board Outline and Land Pattern Design



Size limitation: $L > 30\text{mm}$ and $D > 6\text{mm}$

