

# **Embedded Internal Antenna**

# **NanoBlue**



The evolution of technology has brought the need to communicate everywhere and at all times without being confined to one space. Laird's internal wireless device antennas feature wide bandwidth to enhance the performance and application of portable wireless devices based on standards such as 802.11 and Bluetooth\*. The antennas are specifically designed to be embedded inside devices for aesthetically pleasing integration with high durability.

# FEATURES **✓** RoHS

### **MARKETS**

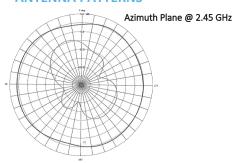
- Versatile and easy to use antenna for 2.4 to 2.5 GHz Bluetooth\* and IEEE 802.11 devices
- WiMAX

- Designed for easy connection to radio cards
- Utilizes patented PCB Microsphere technology
- Has a ground plane incorporated into the resonator structure, therefore no additional ground plane is required to radiate efficiently
- Conformance to European RoHS Directive 2002/95/EC

#### **SPECIFICATIONS**

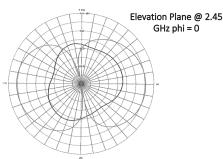
2.4-2.5 GHz	
2 dBi	
Linear	
50 ohms	
<2.5:1	
1.88 in x .5 in x .032 in	
2 g	

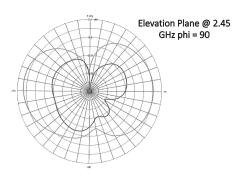
#### **ANTENNA PATTERNS**



## **CABLE & CONNECTOR**

MODEL	PART#	CABLE	CONNECTOR
NanoBlue-IP04	MAF94045	100 mm, ø 1.13 mm	IPEX MHF
NanoBlue-FL04	MAF94102	100mm, RG178	Flying lead





Americas: +1.847 839.6907

IAS-AmericasEastSales@lairdtech.com

Europe: +44.1628.858941 IAS-EUSales@lairdtech.com Asia: +86.21.5855.0827.127 IAS-AsiaSales@lairdtech.com

www.lairdtech.com

#### ANT-DS-NANOBLUE 0315

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