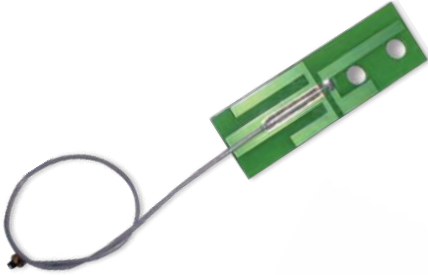


The evolution of technology brings the need to communicate everywhere at all times without being confined to one space. Laird's internal wireless device antennas feature wide bandwidth to enhance the performance and application of portable wireless devices based on standards such as 802.11a/b/g and Bluetooth®.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



FEATURES

- Versatile and easy-to-use antenna for 2.4 to 2.5 GHz and 4.9 to 6.0 GHz Bluetooth® and IEEE 802.11abg devices
- Designed for easy connection to radio cards
- Utilizes patented PCB Microsphere technology
- Has a ground plane incorporated into the resonator structure - no additional ground plane is required to radiate efficiently
- Conformance to European RoHS Directive 2002/95/EC

MARKETS

- WiMAX
- WiFi Hotspots
- M2M
- Healthcare
- POS terminals

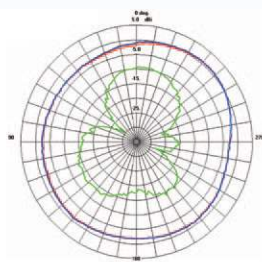
SPECIFICATIONS

PARAMETER	
Frequency range	2.4 - 2.5 GHz 4.9 - 6.0 GHz
Gain	0.9 dBi (2.45 GHz) 2.3 dBi (4.9 GHz) 3.1 dBi (5.25 GHz) 4.8 dBi (5.875 GHz)
Polarization	Vertical, Omni-directional
Impedance	50 ohms
VSWR	<2:1
Dimensions (L x W x H)	2 in x 0.65 in

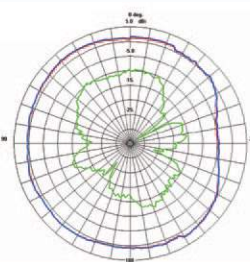
CABLE & CONNECTOR

PART #	CABLE	CONNECTOR
MAF94109	100 mm, ϕ 1.13 mm	IPEX MHF
MAF95057	100 mm, RG178	Flying Lead
MAF94453	75 mm ϕ 1.13 mm	IPEX MHF
MAF94454	204 mm ϕ 1.13 mm	IPEX MHF
MAF94467	204 mm ϕ 1.78 mm	MMCX

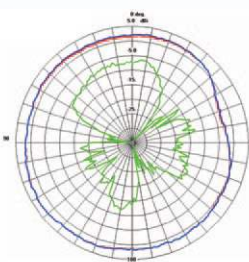
ANTENNA PATTERNS



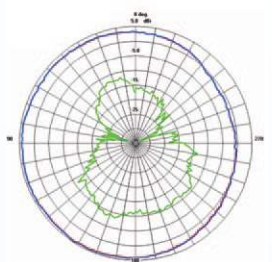
Azimuth Plane
@ 2.45 GHz



Azimuth Plane
@ 4.9 GHz



Azimuth Plane
@ 5.25 GHz



Azimuth Plane
@ 5.875 GHz

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