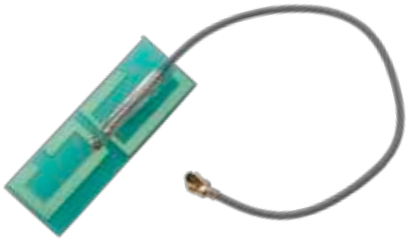
Laird

Smart Technology. Delivered.

Internal Wireless Device Antenna
Mini-Nanoblade



MINI-NANOBLADE INTERNAL EMBEDDED ANTENNA

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

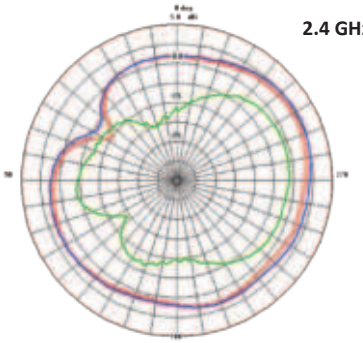
- Covers 2.4 to 2.5 GHz for 802.11b, and 4.9 to 6 GHz for 802.11a and all US, European, and Japanese WLAN applications
- Coaxial cable pigtail with various connector choices
- Omnidirectional patterns at all frequencies with increased gain in upper bands for optimal coverage
- Conformance to European RoHS Directive 2002/95/EC

MARKETS

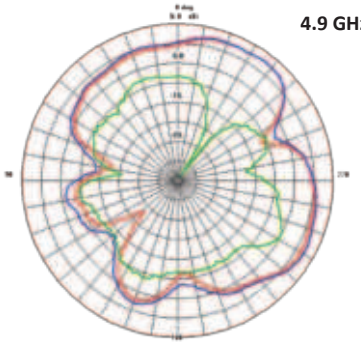
- Bluetooth® devices
- IEEE 802.11 devices

ANTENNA PATTERNS

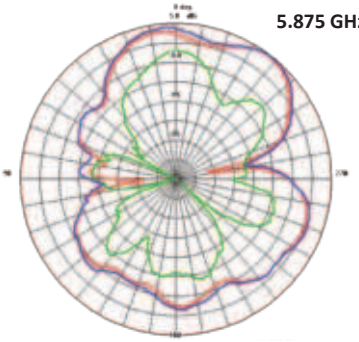
2.4 GHz



4.9 GHz



5.875 GHz

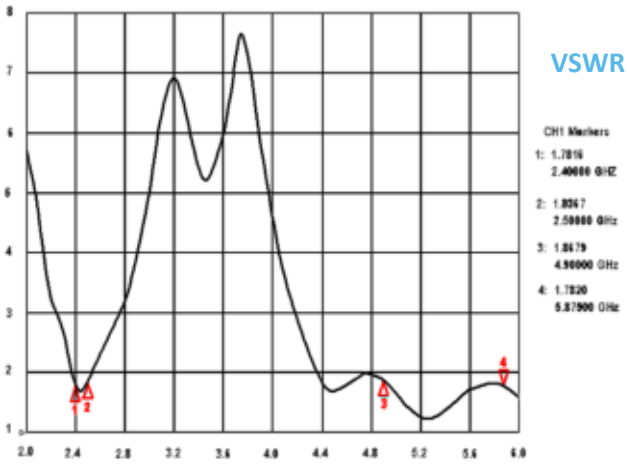


ELECTRICAL SPECIFICATIONS	
Frequency	2.4 - 2.5 GHz, 4.9 - 6 GHz
Gain	2.0-2.5 dBi (2.4-2.5 GHz), 2.5-4.8 dBi (4.9-5.875 GHz)
Polarization	Vertical, Omnidirectional
Nominal Impedance	50 ohms
VSWR	< 2.:1 max across all bands
Size	1.42" x 0.475"

CABLE AND CONNECTORS

MODEL NUMBER	PART NUMBER	CABLE	CONNECTOR	MOUNT TAPE
MINIBLADE-IP03T	MAF94149	80mm, Ø 1.13mm	IPEX	YES
MINIBLADE-IP03	MAF94264	80mm, Ø 1.13mm	IPEX	NO
MINIBLADE-FL03	MAF94265	80mm, Ø 1.13mm	N/A	NO
MINIBLADE-IP05T	MAF94383	125mm, Ø 1.13mm	IPEX	YES

VSWR



Americas: +1.847 839.6925
IAS-AmericasSales@lairdtech.com

Europe: +44.1628.858941
IAS-EUSales@lairdtech.com

Asia: IAS-AsiaSales@lairdtech.com

Middle East and Africa: +44.1628.858941
IAS-MEASales@lairdtech.com

www.lairdtech.com

ANT-DS-MINI-NANOBLADE 0617

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