



The evolution of technology has brought the need to communicate everywhere and at all times without being confined to one space. Our 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 AND BENEFITS

- Versatile, easy-to-use for 2.4 to 2.5 GHz Bluetooth® and IEEE 802.11 devices
- Designed for an easy connection to radio cards
- Uses patented PCB Microsphere technology
- Has a ground plane incorporated into the resonator structure – no additional ground plane is required to radiate efficiently

ELECTRICAL SPECIFICATIONS

Operating Frequency (MHz)	2.4 – 2.5 GHz
VSWR – Max	<2.5:1
Gain (dBi)	2
Nominal Impedance (Ohms)	50
Polarization	Linear

MECHANICAL SPECIFICATIONS

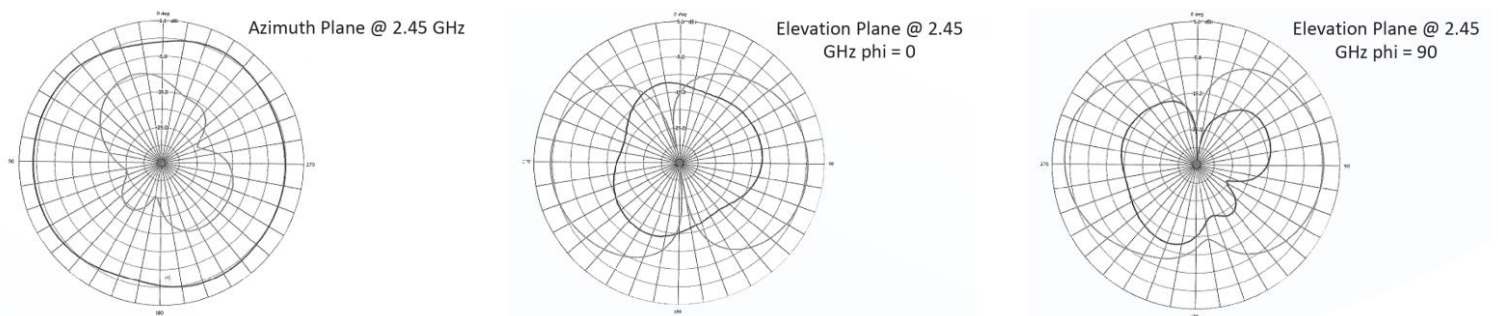
Dimensions – mm (in.)	44.45 x 12.7 x 0.81 mm (1.75 x 0.5 x 0.032 in.)
Weight – g (oz.)	2 g (0.071 oz.)

CONFIGURATION

PART NUMBER	CABLE LENGTH	CONNECTOR
MAF94045	100 mm, Ø 1.13 mm	IPEX MHF
MAF94102	100 mm, RG178	Flying Lead
MAF95096	100 mm, RG178	Right Angle MMCX
EBL2400A1-10MH4L	100 mm, Ø 1.13 mm	MHF4
EBL2400R1-20MHF4	200 mm, Ø 1.13 mm	MHF4

Note: Specifications are based on the 100mm cable length, standard antenna version with MHF1 / U.FL connector. Varying the cable length or type or connector will cause variations in these antenna specifications.

ANTENNA PATTERNS



ADDITIONAL ASSISTANCE

Please contact your local Laird Connectivity sales representative or our support team for further assistance:

Support Center <https://www.lairdconnect.com/resources/support>

Phone Americas: +1-800-492-2320
 Europe: +44-1628-858-940
 Hong Kong: +852 2762 4823

Web <https://www.lairdconnect.com/internal-antennas>

Address Laird Connectivity
 50 S. Main Street, Suite 1100
 Akron, OH 44308

sales@lairdconnect.com
support@lairdconnect.com
www.lairdconnect.com

© Copyright 2023 Laird Connectivity. All Rights Reserved. Patent pending. Any information furnished by Laird Connectivity and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird Connectivity materials or products rests with the end user since Laird Connectivity and its agents cannot be aware of all potential uses. Laird Connectivity makes no warranties as to non-infringement nor as to the fitness, merchantability, or sustainability of any Laird Connectivity materials or products for any specific or general uses. Laird Connectivity or any of its affiliates or agents shall not be liable for incidental or consequential damages of any kind. All Laird Connectivity products are sold pursuant to the Laird Connectivity Terms and Conditions of Sale in effect from time to time, a copy of which will be furnished upon request. Nothing herein provides a license under any Laird Connectivity or any third-party intellectual property right.