



Laird Connectivity's D-Puck antenna is a cost-effective, small-scale metal antenna designed for maximum durability. This vertically polarized antenna has a gain of >3 dBi at 2.4-2.5 GHz and >4 dBi at 5.15-5.875 GHz. The D-Puck is specifically designed to be embedded inside devices for aesthetically pleasing integration with high durability.

FEATURES AND BENEFITS

- Tape and reel packaging for high volume pick-and-place manufacturing
- RoHS Compliant (2011/65/EU)
- Planar Inverted F Antenna (PIFA) requires ground plane to radiate efficiently

ELECTRICAL SPECIFICATIONS

Operating Frequency (MHz)	2400-2500	5150-5875
Gain (dBi)	>3	>4
Impedance (ohms)	50	
VSWR	<2.5:1	
Polarization	Vertical	

MECHANICAL SPECIFICATIONS

Dimensions (diameter x height) – mm (in.)	16.0 x 16.0 x 6.0 (0.63 x 0.63 x 0.24)
Weight – g (oz.)	2 (0.07)
Carrier Material	Black color, resins

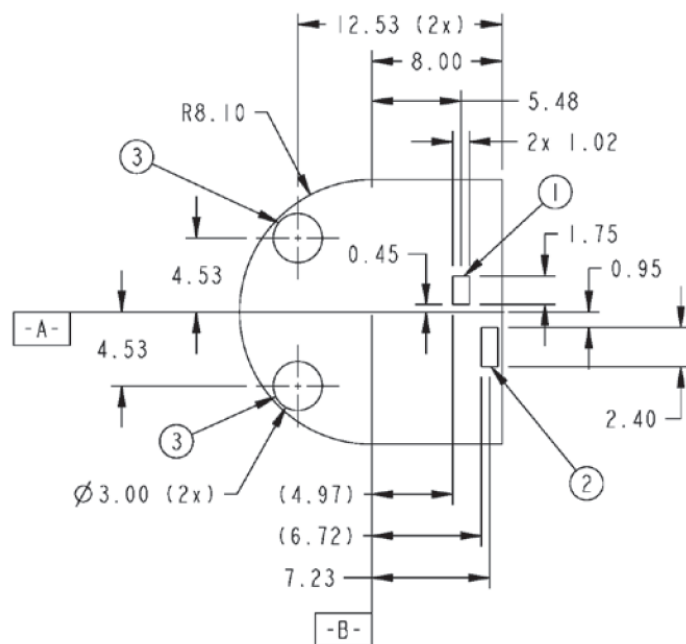
ENVIRONMENTAL SPECIFICATIONS

Hazardous Materials Compliance	RoHS compliant (2011/65/EU)
--------------------------------	-----------------------------

CONFIGURATION

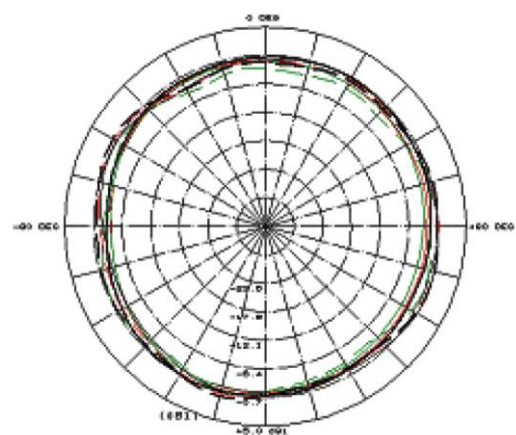
PART NUMBER	DESCRIPTION	CONNECTOR	PACKAGING
MAF94192	D-Puck Antenna	Surface Mount	Tape and Reel
CAF94377	D-Puck Antenna on Evaluation Board	SMA-Female Panel	Single

MECHANICAL DRAWING

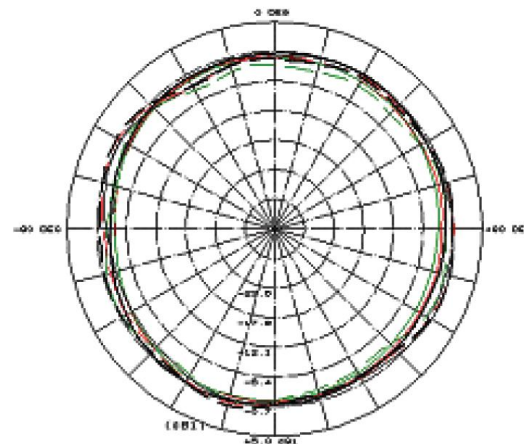


RADIATION PATTERNS

Azimuth (Total Gain)



Elevation (Total Gain)



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.