



Laird Technologies' unique Phantom® antenna operates simultaneously in the 698-960 MHz and 1700-2700 MHz bands, making it ideal for 4G/3G applications. The mechanically robust design is suitable for both indoor and outdoor applications with wide bandwidth and a low angle radiation pattern that is superior to traditional gain antennas in most applications. The antenna is ideal for both ceiling and surface mount applications.

The industry standard NMO mounting socket mates with all Laird Technologies' magnetic, trunk lid and hole mount configurations. A threaded permanent stud mount model is also available for vandal resistant mounting on brackets, panels, ceilings or any other kind of housing.

FEATURES AND BENEFITS

- Mechanically robust for both indoor and outdoor applications
- Applicable for both 3G and 4G application
- Domestic LTE 700 band and Global LTE 2600 band
- WiMAX 2300/2500/2600 bands
- Domestic Cellular and Global GSM
- Phantom out-performs a 3-dBi whip in many applications

ELECTRICAL SPECIFICATIONS

Operating Frequency (MHz)	698-960, 1710-2700				
	698-806 MHz	806-960 MHz	1710-2110 MHz	2110- 2170 MHz	2300- 2700 MHz
VSWR	< 2.5: 1.0	< 2.0: 1.0	< 2.0: 1.0	< 2.5: 1.0	< 2.0: 1.0
Peak Gain (dBi)	698-960 MHz		1710-1990 MHz	2100-2700 MHz	
	3.5		5.5	4.6	
Efficiency (%)	698-960 MHz		1710-1990 MHz	2100-2700 MHz	
	90 (max: 96)		91 (max: 95)	80 (max: 86)	
Nominal Impedance (Ohms)	50				
Max Power - Ambient 25°C (W)	100				
Polarization	Vertical				
Terminations	NMO or P-Mount w/Type N(f)				

MECHANICAL SPECIFICATIONS

Dimensions – diameter x height – cm (inches)	8.38 x 3.65 (3.3 x 1.44)
Color	Black or white available
Cable and Mount	MB195 (sold separately)
Radome Material	SABIC Lexan

ENVIRONMENTAL SPECIFICATIONS

Operating Environment (Indoor or Outdoor)	Indoor and Outdoor
Operating Temperature – °C (°F)	-40 to +85°C (-40 to +185°F)
Material Substance Compliance	RoHS
Ingress Protection Rating	IP67

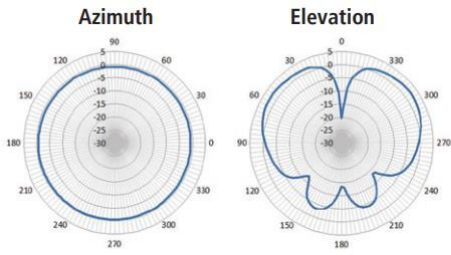
MODEL AND ORDERING INFORMATION

MODEL	DESCRIPTION	COLOR RADOME	HEIGHT	WEIGHT CONNECTOR
TRA6927M3PB-001	4G/3G Phantom®	Black	3.30"	0.31 lbs Type N(f)
TRA6927M3NB-001	4G/3G Phantom®	Black	3.30"	0.28 lbs NMO
TRA6927M3PW-001	4G/3G Phantom®	White	3.30"	0.31 lbs Type N(f)
TRA6927M3NW-001	4G/3G Phantom®	White	3.30"	0.28 lbs NMO
TRA6927M3PB-002 ¹	4G/3G Phantom®	Black	3.30"	0.38 lbs Type N(f)
TRA6927M3PW-002 ¹	4G/3G Phantom®	White	3.30"	0.38 lbs Type N(f)

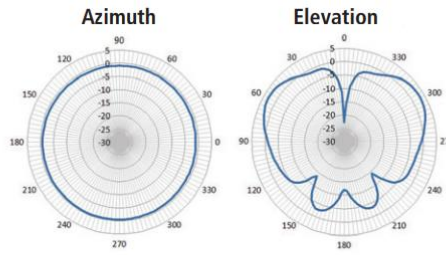
Permanent Mounting Option: The letter *P* in the above part numbers indicates a permanent mounting option.

¹ Extended Connector 23 mm maximum plate thickness.

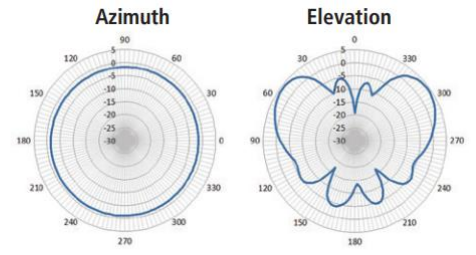
RADIATION PATTERNS



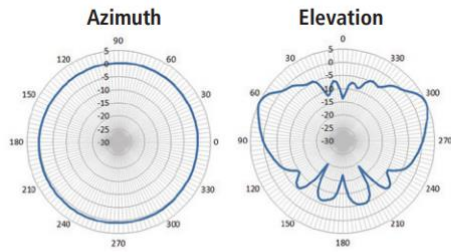
750 MHz



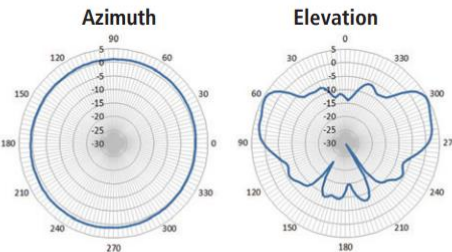
849 MHz



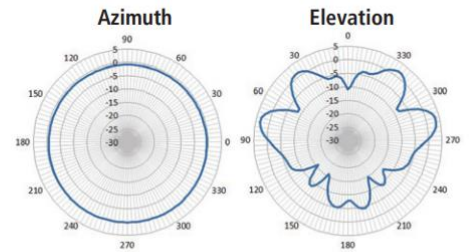
960 MHz



1710 MHz



1950 MHz



2700 MHz



Laird warrants to the original end user customer of its products that its products are free from defects in material and workmanship. Subject to conditions and limitations Laird will, at its option, either repair or replace any part of its products that prove defective because of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the Laird product is installed. Useful lifetime of the original end product may vary but is not to exceed five (5) years from the original date of the end product purchase.

Any information furnished by Laird Inc. 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 materials rests with the end user, since Laird and its agents cannot be aware of all potential uses. Laird makes no warranties as to the fitness, merchantability or suitability of any Laird materials or products for any specific or general uses. Laird shall not be liable for incidental or consequential damages of any kind. All Laird products are sold pursuant to the Laird Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request.

© Copyright 2019 Laird Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Logo, and other marks are trademarks or registered trademarks of Laird Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird or any third-party intellectual property rights.



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

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Antennas](#) category:

Click to view products by [Laird Connectivity](#) manufacturer:

Other Similar products are found below :

[GAN30084EU](#) [930-033-R](#) [GW17.07.0250E](#) [1513563-1](#) [EXE902SM](#) [APAMPG-117](#) [MAF94383](#) [W3908B0100](#) [W6102B0100](#) [YE572113-30RSMM](#) [108-00014-50](#) [66089-2406](#) [SPDA17RP918](#) [A09-F8NF-M](#) [A09-F5NF-M](#) [RGFRA1903041A1T](#) [W3593B0100](#) [W3921B0100](#) [SIMNA-868](#) [SIMNA-915](#) [SIMNA-433](#) [W1044](#) [W1049B090](#) [A75-001](#) [WTL2449CQ1-FRSMM](#) [CPL9C](#) [EXB148BN](#) [0600-00060](#) [TRA9020S3PBN-001](#) [Y4503](#) [GD5W-28P-NF](#) [MA9-7N](#) [GD53-25](#) [GD5W-21P-NF](#) [C37](#) [MAF94051](#) [MA9-5N](#) [EXD420PL](#) [B1322NR](#) [QWFTB120](#) [MAF94271](#) [MAF94300](#) [GPSMB301](#) [FG4403](#) [AO-AGSM-OM54](#) [5200232](#) [MIKROE-2349](#) [WCM.01.0111](#) [MIKROE-2393](#) [MIKROE-2352](#)