Smart Technology. Delivered.

4G/3G Multiband No Ground Plane Phantom Antenna

TRA6927M3xxN

4G/3G PHANTOM ANTENNA IDEAL FOR 700/806/850/1800/1900/2100/2300/2500/2600 MHZ APPLICATIONS

Laird Technologies' unique Phantom antenna operates simultaneously in the 698-960 MHz and 1710-2700 MHz bands, ideal for 4G/3G applications where no ground plane or metal surface is available. A mechanically robust design 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 and can therefore be used in both ceiling mount 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.

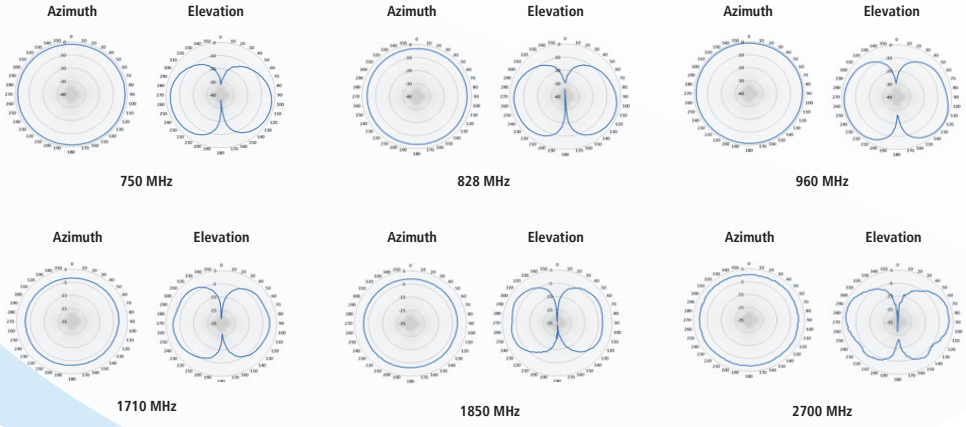
FEATURES RoHS

- Mechanically robust for both Indoor/ Outdoor applications
- Self-contained design requiring no ground plane
- 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

MARKETS

- Public Safety
- Cellular
- M2M
- Utilities
- Data transport
- Transportation
- IBW

ANTENNA PATTERNS



Americas: +1.847 839.6907
IAS-AmericasEastSales@lairdtech.com

Europe: +1.32.80.7866.12
IAS-EUSales@lairdtech.com

Asia: +1.65.6.243.8022
IAS-AsiaSales@lairdtech.com

www.lairdtech.com

Laird™

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SPECIFICATIONS

ELECTRICAL	
Frequency Range	698 - 960 MHz, 1710 - 2700 MHz
VSWR	
698-806 MHz	< 2.5: 1.0
806-960 MHz	< 2.0: 1.0
1710-2700 MHz	< 2.0: 1.0
Peak Gain	
698-960 MHz	0 dBi
1710-1990 MHz	1.7 dBi
2100-2700 MHz	2.9 dBi
Polarization	Vertical
Pattern	Omnidirectional
Input Impedance	50 Ω
Maximum Power	100 W
Cable & Mount	MB195 (Sold Separately)
Terminations	NMO or P-Mount w/Type N(f)
Mounting Information	No Ground Plane

MECHANICAL	
Color	Black or White available
Radome Material	High Heat ABS
Dimensions (Ht. x dia.)	3.45" (8.76 cm) x 1.45" (3.68 cm)
Operating Temperature	-35° C to 65° C
Storage Temperature	-45° C to 65° C

MODEL AND ORDERING INFORMATION

MODEL	DESCRIPTION	COLOR	RADOME HEIGHT	WEIGHT CONNECTOR
TRA6927M3PBN-001	4G/3G Phantom	Black	3.30"	0.42 lbs Type N(f)
TRA6927M3NBN-001	4G/3G Phantom	Black	3.30"	0.29 lbs NMO
TRA6927M3PWN-001	4G/3G Phantom	White	3.30"	0.42 lbs Type N(f)
TRA6927M3NWN-001	4G/3G Phantom	White	3.30"	0.29 lbs NMO

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