

# 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.

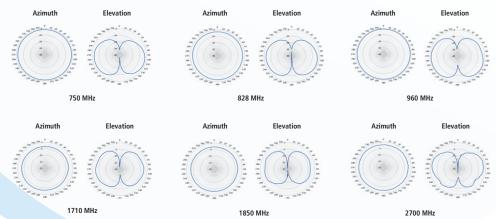
#### **FEATURES ✓** RoHS

- 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**



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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