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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Smart Technology. Delivered.

# 4G/3G Multiband Phantom<sup>®</sup> Antenna TRA6927M3



## 4G/3G PHANTOM<sup>®</sup> ANTENNA IDEAL FOR 700/806/850/1800/1900/2100/2300/2500/2600 MHZ APPLICATIONS

The Laird 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 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.

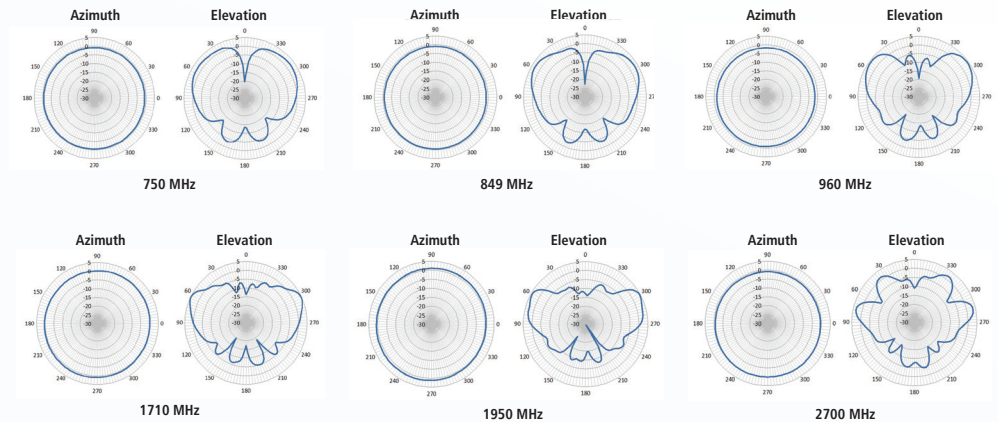
### FEATURES

- Mechanically robust for both Indoor/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

### 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
1710-2110 MHz	< 2.0: 1.0
2110- 2170 MHz	< 2.5: 1.0
2300- 2700 MHz	< 2.0: 1.0
Nominal Peak Gain	
698-960 MHz	3.5 dBi
1710-1990 MHz	5.5 dBi
2100-2700 MHz	4.6 dBi
Average Efficiency	
698-960 MHz	90% (max: 96%)
1710-1990 MHz	91% (max: 95%)
2100-2700 MHz	80% (max: 86%)
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)

MECHANICAL	
Color	Black or white available
Radome Material	High Heat ABS
Dimensions (Ht. x dia.)	3.3" (8.38 cm) x 1.44" (3.65 cm)
Operating Temperature	-40° C to 85°C

### MODEL AND ORDERING INFORMATION

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

#### Permanent Mounting Option:

The letter "P" in the above part numbers indicates a permanent mounting option

ANT-DS-TRA6927M3 0515

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