

### Innovative **Technology** for a **Connected** World

# 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

Laird Technologies' unique Phantom<sup>®</sup> 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 **V**ROHS

- Mechanically robust for both Indoor/Outdoor applications
- Applicable for both 3G and 4G application
- Domestic LTE 700 band and Global LTE 2600 band

ANTENNA PATTERNS

- WiMAX 2300/2500/2600 bands
- Domestic Cellular and Global GSM
- Phantom out-performs a 3 dBi whip in many applications

## MARKETS

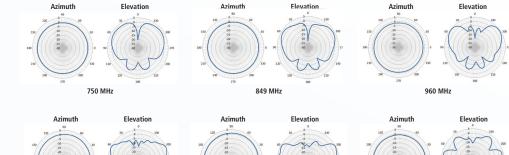
Public Safety

• M2M

Utilities

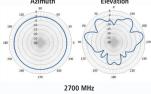
- Cellular
  Transportation
  - IBW

• Data transport



1710 MHz





## global solutions: local support...

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



Innovative **Technology** for a **Connected** World

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

### **SPECIFICATIONS**

| requency Range    | 698-960 MHz, 1710-2700 MHz |  |  |  |
|-------------------|----------------------------|--|--|--|
| SWR               |                            |  |  |  |
| 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                 |  |  |  |
| ominal Peak Gain  |                            |  |  |  |
| 698-960 MHz       | 3.5 dBi                    |  |  |  |
| 1710-1990 MHz     | 5.5 dBi                    |  |  |  |
| 2100-2700 MHz     | 4.6 dBi                    |  |  |  |
| verage Efficiency |                            |  |  |  |
| 698-960 MHz       | 90% (max: 96%)             |  |  |  |
| 1710-1990 MHz     | 91% (max: 95%)             |  |  |  |
| 2100-2700 MHz     | 80% (max: 86%)             |  |  |  |
| olarization       | Vertical                   |  |  |  |
| attern            | Omnidirectional            |  |  |  |
| iput Impedance    | 50 Ω                       |  |  |  |
| laximum Power     | 100 W                      |  |  |  |
| able & Mount      | MB195 (Sold Separately)    |  |  |  |
| rminations        | 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 0312

Any information furnished by Laird Technologies, 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 Technologies materials reproducts for any specific or general uses. Laird Technologies makes no warranties as to the fitness, merchantability, suitability or non-infringement of any Laird Technologies shall not be lable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. O Copyright 2012 Laird Technologies, Inc. All Rights Reserved, Laird, Laird Technologies or any store and the marks or registered trade marks of claird Technologies. No. 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 Technologies or any third party intellectual property rights.