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TRA6927M3

4G/3G Multiband Phantom® Antenna
698-960 MHz/1700-2700 MHz



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				
VSWR	**698-806 MHz**	**806-960 MHz**	**1710-2110 MHz**	**2110- 2170 MHz**	**2300- 2700 MHz**
	< 2.5: 1.0	< 2.0: 1.0	< 2.0: 1.0	< 2.5: 1.0	< 2.0: 1.0
Nominal 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 – mm (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

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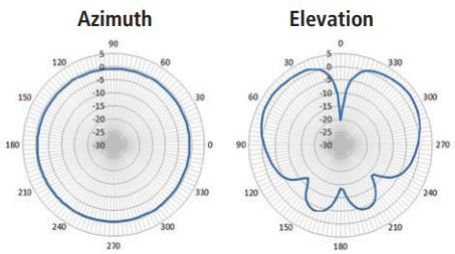
MODEL AND ORDERING INFORMATION

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
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)

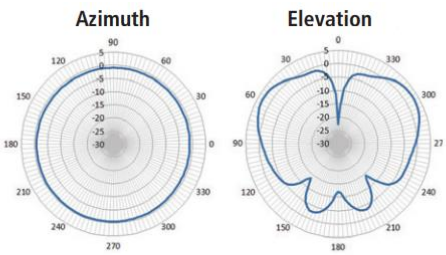
Permanent Mounting Option: The letter *P* in the above part numbers indicates a permanent mounting option.

[1] Extended Connector 23 mm maximum plate thickness.

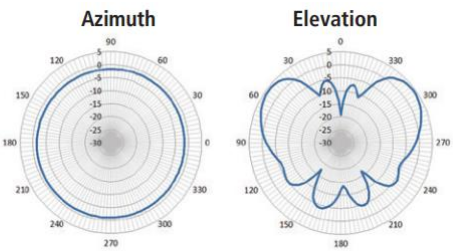
RADIATION PATTERNS



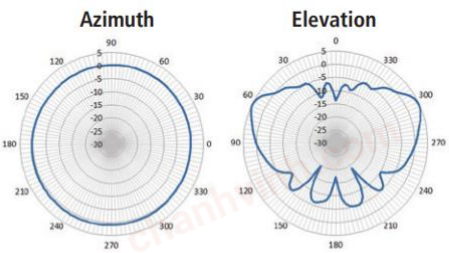
750 MHz



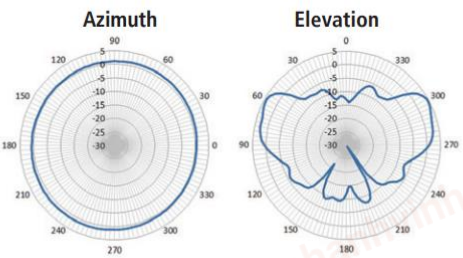
849 MHz



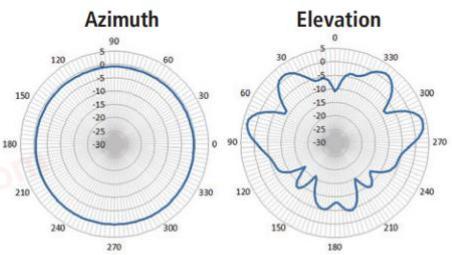
960 MHz



1710 MHz



1950 MHz



2700 MHz

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RoHS

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