TRA(B)58003(P)

PHANTOM® Antennas 4.9 GHz - 6.0 GHz

Laird Technologies' unique patented Phantom® is a tough low-profile antenna for outdoor or indoor applications. Measuring only 2.3 inches exposed tall, the Phantom covers 4.9 GHz - 6.0 GHz. The antenna model's revolutionary design features field diversity. The industry standard NMO mounting socket mates with all Laird Technologies' magnetic, trunk lid, and hole mounts. A threaded permanent stud Type N connector mount model is also available for vandal-resistant mounting on brackets, panels, ceilings, or any other kind of housing.

The Phantom® patented technology is beneficial when high performance, extreme ruggedness, and low profile are required.

FEATURES AND BENEFITS

- Mechanically robust for both Indoor/Outdoor applications
- Phantom® outperforms a 3-dB whip in many applications

- U.S. Patent numbers 5,977,931 – 6,292,156 and 7,209,096

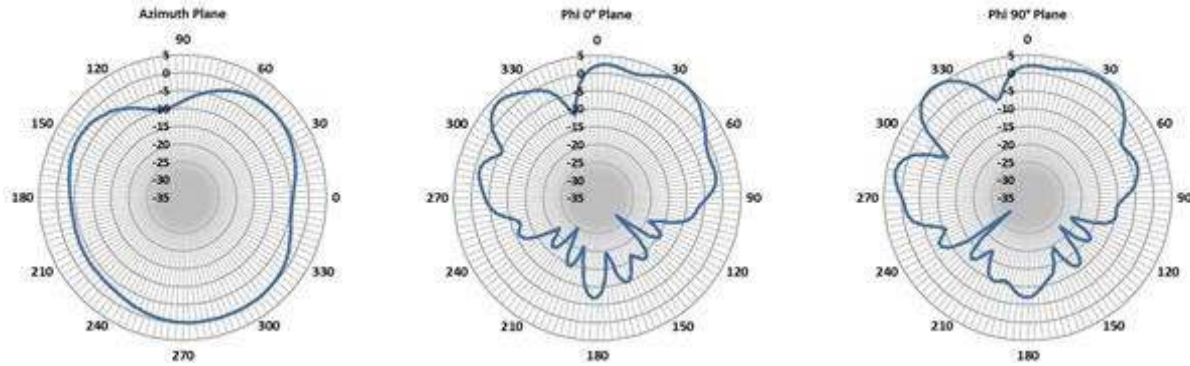| ELECTRICAL SPECIFICATION	
VSWR – Avg	1.25:1
Gain – Typ (dBi)	5.0
Gain Horizon 30° - Max (dBi)	5.6
Nominal Impedance (Ohms)	50
Maximum Peak Power - Ambient 25°C (W)	100
Polarization	Vertical
Pattern	Omnidirectional
Half-power Beamwidth (elevation° x azimuth °)	30 x 360

MECHANICAL SPECIFICATION

Dimensions – diameter x height – mm (inches)	NMO: 36.53 (1.438') x 58.4 (2.3) Permanent Mount: 36.53 (1.438) x 80.3 (3.16) , Exposed: 36.53 (1.438')x 58.4 (2.3)
Weight – g (lbs.)	0.078 (0.173)
Radome Material	Lexan
Color	Black or white
Mounting Information	NMO socket (NMO mount is sold separately) or Type N Female – Permanent Mount (hardware included) Note: P-Mount requires a 5/8'' hole for mounting.
Noise Suppressor	BlackHawk NS 1535 1-35 volt, 15 amp

CONFIGURATION

PART NUMBER	DESCRIPTION
TRA58003	4.9 – 6.0 GHz, 5 dBi, White, NMO
TRAB58003	4.9 – 6.0 GHz, 5 dBi, Black, NMO
TRA58003P	4.9 – 6.0 GHz, 5 dBi, White, N Female
TRAB58003P	4.9 – 6.0 GHz, 5 dBi, Black, N Female

- Add B to the model number for black radome (example: TRAB58003)
- Add P to the model number for the permanent mount option (example: TRA58003P)
- Customized models without the logo are also available.

RADIATION PATTERNS

Azimuth Plane

Phi 0° Plane

Phi 90° Plane

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