



TRA(B)58003(P) PHANTOM Antennas 4.9 GHz - 6.0 GHz

TE Connectivity's 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 TE Connectivity's 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

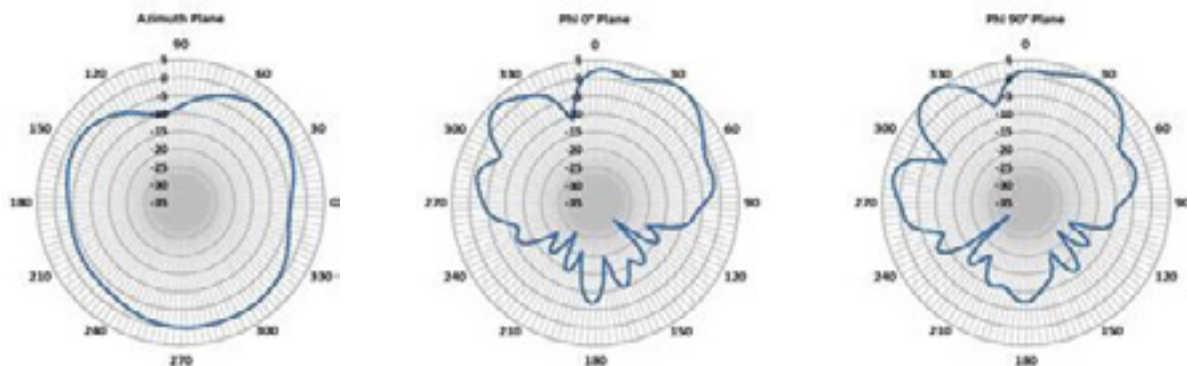
VSWR - Avg	1.25:1
Gain - Typ (dBi)	5.0
Gain Horizon 30° - Max (dBi)	5.6
Nominal Impedance (Ohms)	50
Maximum Peak Power - Ambient 25°C (W)	100
Polarization	Vertical
Pattern	Omnidirectional
Half-power Beamwidth (elevation° x azimuth °)	30 x 360

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
TRAB58003	4.9 – 6.0 GHz, 5 dBi, Black, NMO
TRA58003P	4.9 – 6.0 GHz, 5 dBi, White, N Female

RADIATION PATTERNS



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