



## 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

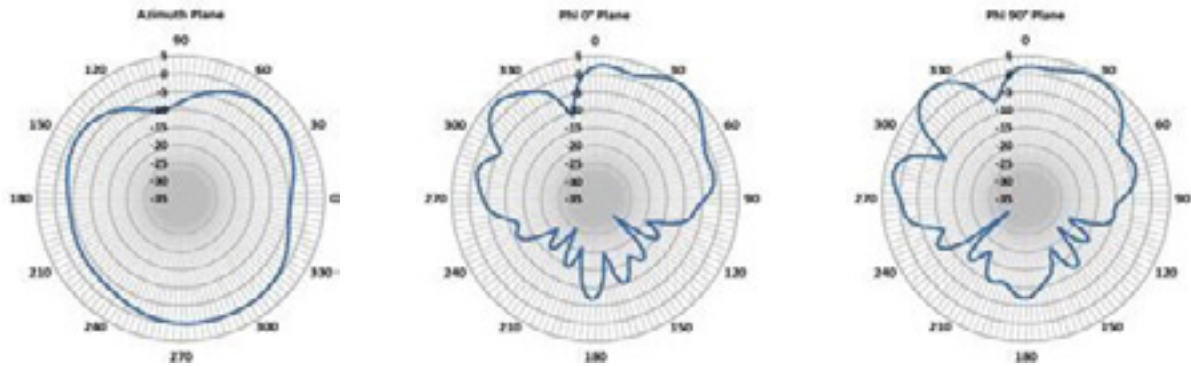
VSWR - Avg	1.25:1
Gain - Typ (dBi)	5.0
Gain Horizon 30° - Max (dBi)	5.6
Nominal Impedance (Ohms)	50
Maximum Peak Power - Ambient 25°C (W)	100
Polarization	Vertical
Pattern	Omnidirectional
Half-power Beamwidth (elevation° x azimuth °)	30 x 360

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



### TE TECHNICAL SUPPORT CENTER

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

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