

TRA(B)T1500

Phantom Antenna Frequency Tunable 150-168 MHz (field tunable starting at 150 MHz)

Our patented Phantom® is a rugged antenna for outdoor or indoor applications. The Phantom® revolutionary design features field diversity with both vertical and horizontal polarization components. This gives the antenna diversity, frequency agility, low visibility, wide bandwidth and a low angle radiation pattern that is superior to traditional gain antennas in most applications.
The industry standard NMO mounting socket mates with all Antenex® magnetic, trunk lid, and hole mounts. The Phantom® patented technology is beneficial when high performance is desired and ruggedness and low profile is required.

FEATURES AND BENEFITS

- Easy installation with optional NMO mounts
- UV-treated radome resists sun damage

APPLICATIONS

- FirstNet/Public Safety
- Transportation
- Industrial and commercial communications

ELECTRICAL SPECIFICATIONS	
Model Name	TRA(B)T1500
Operating Frequency (MHz)	150-168 MHz (field tunable starting at 150 MHz)
Frequency Bandwidth (MHz)	2.0
VSWR (dBi)	<2:1
Return Loss (dB) – minimum	-10
Gain (dBi)	Unity
Elevation = 45°	-5
Elevation = 90°	-11
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	60
Polarization	Vertical
Pattern	Omnidirectional
Vertical Plane 3 dB Beamwidth	120°
Tuning	Tunable coil with tuning key provided

MECHANICAL SPECIFICATIONS	
Dimensions – W x H – mm (inches)	xx x xx (3¼ x 3½)
Weight – kg (lbs.)	Xx (0.25)
Cable Type	None
Finish	ABS
Color	White or Black
Mounting	4’ x 4’ Metallic Ground Plane

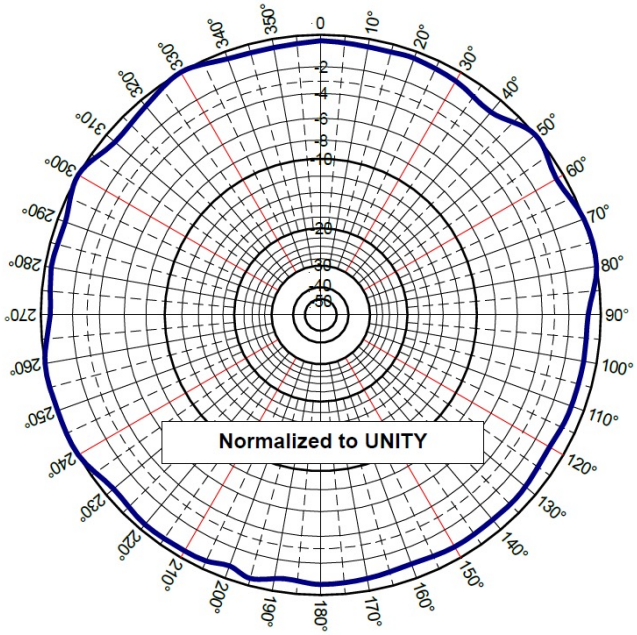
ENVIRONMENTAL SPECIFICATIONS	
Operating Environment (Indoor or Outdoor)	Indoor and Outdoor
Operating Temperature – °C (°F)	-30 to +70°C (-22 to +158°F)
Storage Temperature – °C (°F)	-30 to +70°C (-22 to +158°F)
Lightning Protection	AC Ground

CONFIGURATION

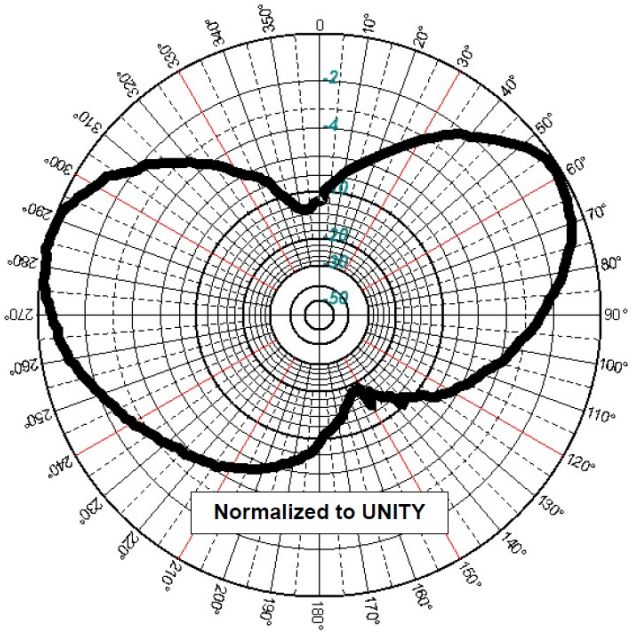
PART NUMBER	COLOR	CONNECTOR
TRAT1500	White	NMO
TRA(B)T1500	Black	NMO

RADIATION PATTERNS

REPRESENTATIVE AZIMUTH FIELD PATTERN



ELEVATION PATTERN (Z, Y, OR H-PLANE)



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