



FEATURES AND BENEFITS

- ½ wave NGP design for true 2-dBi performance
- Easy installation with optional NMO mounts
- Special UV-treated radome – resists sun damage
- 100% tested on a network analyzer

ELECTRICAL SPECIFICATIONS

Model Name	B(B)4502N
Operating Frequency (MHz)	450-470
VSWR – Max	<2:1
Gain (dBi)	2.0
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	100
Polarization	Vertical
Pattern	Omnidirectional
Elevation Plane 3 dB Beamwidth Port 1	110°
Azimuth Plane 3 dB Beamwidth Port 1	360°

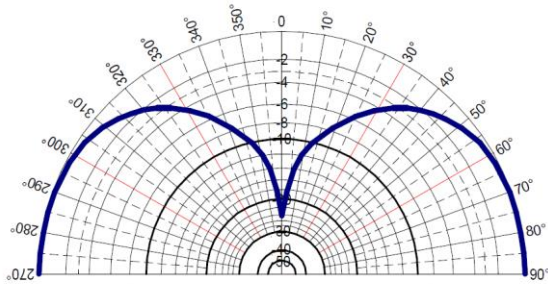
MECHANICAL SPECIFICATIONS

Dimensions – H x D – mm (inches)	320.0 x 36.8 (12.6 x 1.45)
Weight – kg (lbs.)	0.172 (0.379)
Flat Plate Area – square feet	0.02
Cable Type	N/A
Mounting	NMO mountable
Noise Suppressor	BlackHawk NS 1535 1-35 volt, 15 Amp (sold separately)

ENVIRONMENTAL SPECIFICATIONS

Rated Wind Velocity – kph (mph)	210 (125)
Rated Wind Velocity (with 0.5" radial ice) – kph (mph)	137 (85)
Lateral Thrust @ 125 mph wind velocity – kg (lbs.)	26 (57)
Material Substance Compliance	RoHS

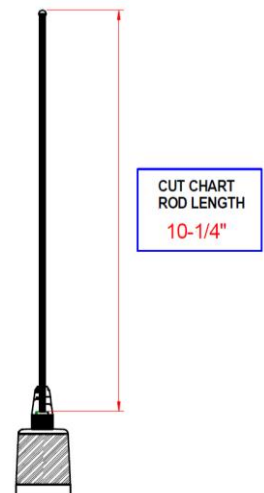
RADIATION PATTERN



Normalized to 2dBi
Elevation Pattern (Y, Z or H-plane)

CUTTING CHART

FREQUENCY (MHz)	ROD w/ SPRING	ROD ONLY
450	10-1/4 in.	N/A
455	10 in.	10-3/8 in.
460	9-3/4 in.	10 in.
465	9-9/16 in.	9-13/16 in.
470	9-1/4 in.	9-1/2 in.



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