



B(B)4302N(S) Omnidirectional Antennas 430-450 MHz

FEATURES AND BENEFITS

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

ELECTRICAL SPECIFICATIONS

Model Name	B(B)4302N(S)
Operating Frequency (MHz)	430-450
VSWR - Max	<2:1
Gain (dBi)	2.0
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	100
Polarization	Vertical
Pattern	Omnidirectional
Half-Power Beamwidth (elevation° x azimuth°)	110 x 360

MECHANICAL SPECIFICATIONS

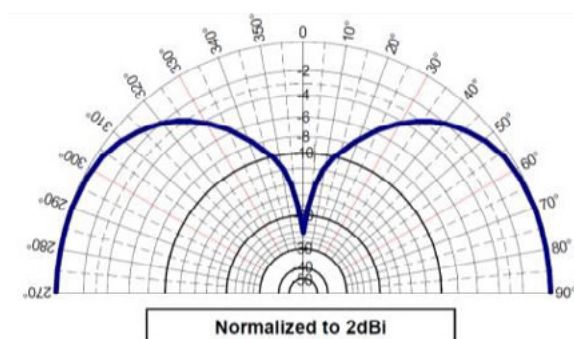
Dimensions - height (initial) x diameter - mm (inches)	344 x 36.8 (13.5 x 1.45)
Weight - kg (lbs.)	0.18 (0.4)
Cable Type	N/A
Termination	NMO
Mounting Information	NMO mountable fixed and magnetic
Noise Suppressor	BlackHawk, NS1535 1-35 volt, 15 amp (sold separately) 

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature - °C (°F)	-30 to +70°C (-22 to +158°F)
Storage Temperature - °C (°F)	-30 to +70°C (-22 to +158°F)
Rated Wind Velocity - km/hr (mph)	200 (125)
Rated Wind Velocity (with 0.5" radial ice) - km/hr (mph)	137 (85)

CUTTING CHART

FREQUENCY (MHz)	ROD ONLY	ROD W/SPRING
430	10-3/4"	9-3/8"
435	10-3/8"	9-1/16"
440	10-3/16"	8-7/8"
445	9-15/16"	8-11/16"
450	9-5/8"	8-3/8"



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