



Laird's fiberglass base station antennas are collinear designs enclosed in a high-density fiberglass, which is covered with a protective ultraviolet inhibiting coating.

The radiating elements are made from high efficiency copper and are carefully phased to provide maximum gain in the horizontal plane. The mounting sleeves are tuned to eliminate RF currents from the transmission line, resulting in a "cold" sleeve allowing great freedom in mounting. This high quality and well-focused beam provides the highest gain and best efficiency.

FEATURES AND BENEFITS

- High performance
- Easy installation w/ optional FM2
- Special UV treated radome, resists sun damage
- N-female industry standard connector
- 100% tested on a network analyzer

ELECTRICAL SPECIFICATIONS

Operating Frequency (MHz)	902-928
VSWR, max	1.5:1
Peak Gain (dBi)	8.0
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	100
Polarization	Vertical
Vertical Plane 3 dB Beamwidth	30°
Horizontal Plane 3 dB Beamwidth	360°
Termination	N-female Connector

MECHANICAL SPECIFICATIONS

Dimensions – diameter x height – cm (inches)	3.33 x 154.94 (1.31 x 61.0)
Weight – kg (lbs.)	0.23 (0.5)
Lightning Protection	Lightning Arrestor LABH350NN (Sold Separately)
Mounting Information	FM2 Mounting Kit (Sold separately)
Lateral Thrust@ 125mph – kg (lbs.)	26 (57)

ENVIRONMENTAL SPECIFICATIONS

Rated Temperature – °C (°F)	-48 to +85°C (-55 to +185°F)
Rated Wind Velocity – km/hr (mph)	210 (125)
Rated Wind Velocity (with 0.5" radial ice) – km/hr (mph)	137 (85)
Wind Resistance sq. meter (sq. ft.)	0.0516 (0.5549)

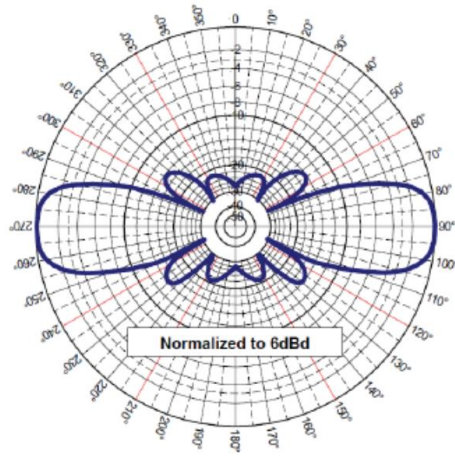


Lightning Arrestor (LABH350NN)



FM2 Mounting Kit

RADIATION PATTERN



Elevation Pattern (Y, Z or H-plane)

✓RoHS

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