FG9023

Omnidirectional Antenna
902-928 MHz

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

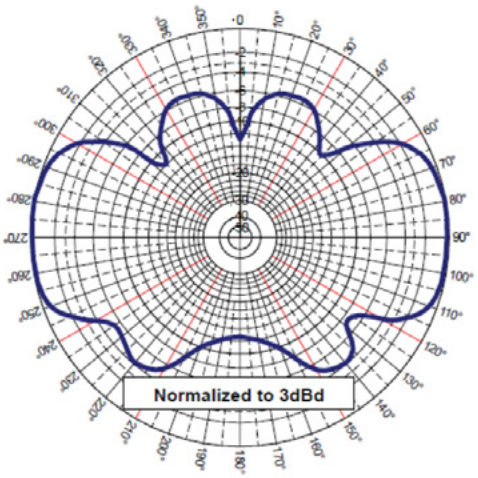
- Highly stable PC board matching network
- Superior quality design
- Special UV treated radome
- N-female industry standard connector
- 100% tested on a network analyzer

ELECTRICAL SPECIFICATIONS	
Operating Frequency (MHz)	902-928
VSWR (max)	2.0:1
Peak Gain, max (dBi)	5
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (¬W)	200
Polarization	Vertical
Vertical Plane 3 dB Beamwidth	70°
Horizontal Plane 3 dB Beamwidth	360°
Termination	N-female Connector

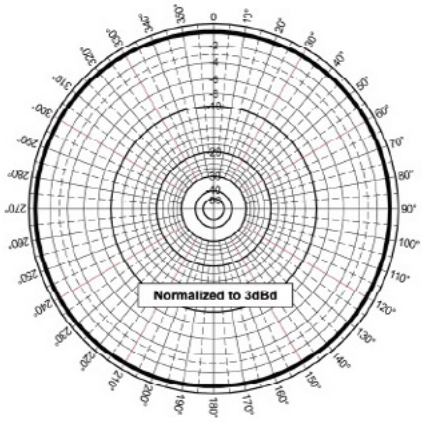
MECHANICAL SPECIFICATIONS	
Dimensions – diameter x height – cm (inches)	3.33 (1.31) x 58.74 (23 1/8)
Weight – kg (lb)	<0.454 (<1)
Lightning Protection	Lightning Arrestor LABH350NN (Sold Separately)
Mounting Information	FM2 Mounting Kit (Sold separately)

ENVIRONMENTAL SPECIFICATIONS	
Rated Wind Velocity – kph (mph)	210 (125)
Rated Wind Velocity (with 0.5” radial ice) – kph (mph)	137 (185)
Lateral Thrust @125mph – kg. (lbs)	26 (57)
Wind Resistance sq. meter (sq. ft.)	0.0195 (0.2104)

RADIATION PATTERN



Elevation Pattern (Y, Z or H-plane)



Azimuthal Pattern (Y, Z, or E-plane)

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08/22 Original