FG9020

Omnidirectional Antenna
902-928 MHz

FIBERGLASS BASE STATION ANTENNAS FEATURE INDUSTRY-LEADING DESIGN COMPONENTS THAT PERFORM IN EXTREME CONDITIONS

Laird Connectivity'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 FM2SP
- Special UV treated radome, resists sun damage
- N-female industry standard connector
- 100% tested on a network analyzer

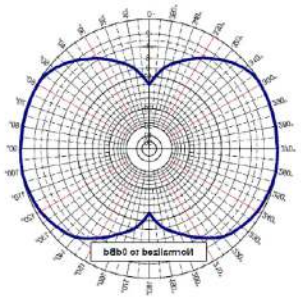
ELECTRICAL SPECIFICATIONS	
Operating Frequency (MHz)	902-928
Number of Ports	1
VSWR – Max	<2.0:1
Gain (dBi)	2.15
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	100
Polarization	Vertical
Vertical Plane 3 dB Beamwidth	110°
Horizontal Plane 3 dB Beamwidth	360°

Lightning arrestor LABH350NN (sold separately)

FM2 Mount Kit (sold separately)

MECHANICAL SPECIFICATIONS	
Dimensions – diameter x height – mm (inches)	33.02 x 339.72 (1.3 x 13-3/8)
Weight – kg (lbs.)	0.29 (.65)
Radome Material	Fiberglass
Lightning Protection	Lightning arrestor LABH350NN (sold separately)
Mounting	Optional FM2SP mounting kit (sold separately)

ENVIRONMENTAL SPECIFICATIONS	
Operating Environment (Indoor or Outdoor)	Outdoor
Wind Operational – km/hr (mph)	210 (125)
Wind Operational with 0.5" radial ice – km/hr (mph)	137 (85)
Wind Resistance	0.1217 sq. ft.



Elevation Pattern (Y, Z, or H-Plane)

CONFIGURATION

PART NUMBER	CABLE LENGTH	CONNECTOR
FG9020	N/A	N-Female

te.com

08/22 Original

TE TECHNICAL SUPPORT CENTER

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