

FG4507

Fiberglass Omnidirectional Antennas 450-460 MHz

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

- Every FG fiberglass base antenna is tested on a network analyzer before shipping to assure the best performance.
- Special UV Treated - Stands up to the sun
- Durable gold anodized sleeve and cap with N Female connector
- Custom tuning available
- FedEx/UPS Shippable

ELECTRICAL SPECIFICATIONS	
Operating Frequency (MHz)	450-460
VSRW	<2.0:1
Gain (dBi)	9
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	100
Polarization	Vertical
Pattern	Omnidirectional
Half-Power Beamwidth (Elevation° / Azimuthal°)	26° / 360°
Connector	N-Female connector

MECHANICAL SPECIFICATIONS	
Dimensions – diameter x height – cm (inches)	33.3 x 1461 (1.31 x 107)
Weight – kg (lbs.)	1.36 (3.0)
Rated Wind Velocity – kph (mph)	210 (125)
Rated Wind Velocity (with 0.5" radial ice) – kph (mph)	137 (85)
Equivalent Flat Plate Area – sq. meter (sq. ft.)	0.090 (0.9666)
Mounting Information	FM2 Mounting Kit (Sold separately)
Lightning Protection	LABH350NN (Sold separately)

TE TECHNICAL SUPPORT CENTER

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