



FG1683

168-174 MHz Fiberglass Omnidirectional Base Station Antenna

FG1683 omnidirectional base station antennas incorporate a collinear design that is enclosed in high density fiberglass. It is further covered with a protective ultraviolet inhibiting coating. The radiating elements are carefully phased to provide maximum gain in the horizontal plane.

Mounting sleeves are tuned to eliminate RF currents from the transmission line, resulting in a “cold” sleeve that allows for greater freedom in mounting. The antenna’s high quality and well-focused beam provides the high efficiency and optimal gain.

FEATURES

- High-performance
- Tri-linear design
- Tested on a network analyzer before shipping to assure optimum performance
- Special UV treatment
- Durable gold anodized sleeve and cap with N Female connector
- Custom tuning available
- FedEx / UPS shippable

APPLICATIONS

- Omnidirectional outdoor antenna applications
- Private organizations
- Government agencies

SPECIFICATIONS

ELECTRICAL SPECIFICATION	
Operating Frequency	168-174 MHz
VSWR - Max	<2:1
Gain	3 dBd / 5dBi
Nominal Impedance (Ohms)	50
Grounding	DC Grounded
Lightning Protection	Lightning Arrestor LABH350NN (Sold Separately)
Max Power - Ambient 25°C (W)	200
Polarization	Linear Vertical

MECHANICAL SPECIFICATION

Length - CM (In.)	271.8 (107)
Weight - Kg (lbs)	2.72 (6)
Radome Color / Material	White / Fiberglass
Radiator	Precision copper clad elements sealed in white ultraviolet-inhibiting fiberglass radome.
Mounting Sleeve	Heavy wall, gold anodized 1 1/4" aluminum
Mounting	Pole/Mast with FM2 Mounting Kit (Sold Separately)

ENVIRONMENTAL SPECIFICATION

Operating Temp. °C (°F)	-30° to +85° (-22° to 185°)
Rated Wind Velocity	125 mph (210 kph)
Rated Wind Velocity (with 0.5" radial ice)	85 mph (137 kph)
Material Substance Compliance	RoHS Compliant CE & UKCA Compliant

OPTIONAL ACCESSORIES

LIGHTNING ARRESTOR (LABH350NN)



FM2 MOUNTING KIT



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