



FG SERIES - UHF

Omnidirectional Antennas

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

The FG4065 omnidirectional base station antenna incorporates a collinear design that is enclosed in high density fiberglass, which is covered with a protective ultraviolet inhibiting coating. The radiating elements 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 that allows for greater freedom in mounting. The antenna's high quality and well-focused beam provides the best efficiency with highest gain.

FEATURE

- Hi Performance Tri-linear design
- Easy installation with optional FM2
- Special UV treated radome, resists sun damage
- N Female industry standard connector
- 100% tested on a network analyzer

ELECTRICAL SPECIFICATIONS			
Frequency Range	406-416 MHz		
VSWR	< 2.0:1 Max		
Nominal Gain (see ordering guide)	5 dBd		
Maximum Power	100 W		
Nominal Impedance	50Ω		
Polarization	Vertical		
Pattern	Omnidirectional		
Half-Power Beamwidth (Elevation° x Azimuth°)	40° x 360°		
Coxial Cable Length	None		
Termination	N-Female Connector		
Lightning Protection	Lightning Arrestor LABH350NN (Sold Separately)		

MECHANICAL SPECIFICATIONS			
Height	76-1/2"		
Diameter	1.310"		
Weight	< 3 lbs		
Rated Wind Velocity	125 mph (210 kph)		
Rated Wind Velocity (with 0.5" radial ice)	85 mph (137 kph)		
Equivalent Flate Plate Area in Sq. Feet	0.6959 Sq. Ft.		
Mounting Information	FM2 Mounting Kit (Sold Separately)		

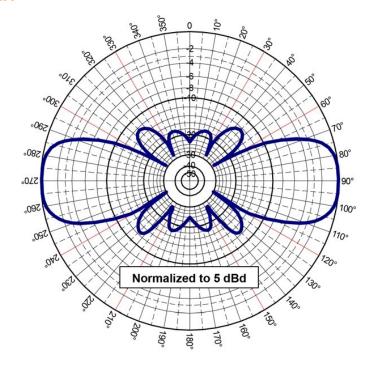
LIGHTNING ARRESTOR (LABH350NN)



FM2 MOUNTING KIT



RADIATION PATTERN



ORDERING GUIDE			
Model Number	Frequency	Gain	Height
FG4065	406-416 MHz	5 dBd	76 in
FG4205	420-430 MHz	5 dBd	76 in
FG4105	410-420 MHz	5 dbd	76 in

TE TECHNICAL SUPPORT CENTER

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