



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





Smart Technology. Delivered.

410-420 MHz 3 dBd Gain Omnidirectional Antenna FG4103



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

The FG4103 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.

FEATURES

- High gain 3 dBd (5dBi)
- Every FG fiberglass base antenna is tested on a network analyzer before shipping to assure the best performance
- Custom UV protection coating
- Durable gold anodized sleeve and cap with N-female connector

MARKETS

- Omnidirectional outdoor antenna applications used in commercial, public safety, and government applications around the globe
- Typical applications include land based and marine radio and voice and data transmission

ELECTRICAL SPECIFICATIONS

Model	FG4103
Frequency Range (MHz)	410 - 420 MHz
Peak Gain	5 dBi
Elevation Beamwidth at Half-Power	40 Deg
Azimuth Beamwidth at Half-Power	360 Deg

MECHANICAL SPECIFICATIONS

Height	44 in (190.5 cm)
Diameter	1.31 in (3.33 cm)
Weight	2.34 lbs (1.06 kg)
Operational Temp	-31° F to +176° F -35° C to +80° C
Storage Temp	-31° F to +176° F -35° C to +80° C
Rated Wind Velocity	125 mph (210 kph)
Rated Wind Velocity w/0.5" radial ice	85 mph (137 kph)

TECHNICAL DATA

Pattern	Omni-Directional
Maximum Power	100 Watts
Nominal	50 Ohm
Polarization	Vertical
VSWR	<2.0:1
Termination	N-Female
Mounting Information	FM2 Optional (Sold separately)
Cable Length	N/A
Outdoor Rated	Yes
Color	White Radome/Gold Sleeve
Radome Material	UV Treated Fiberglass

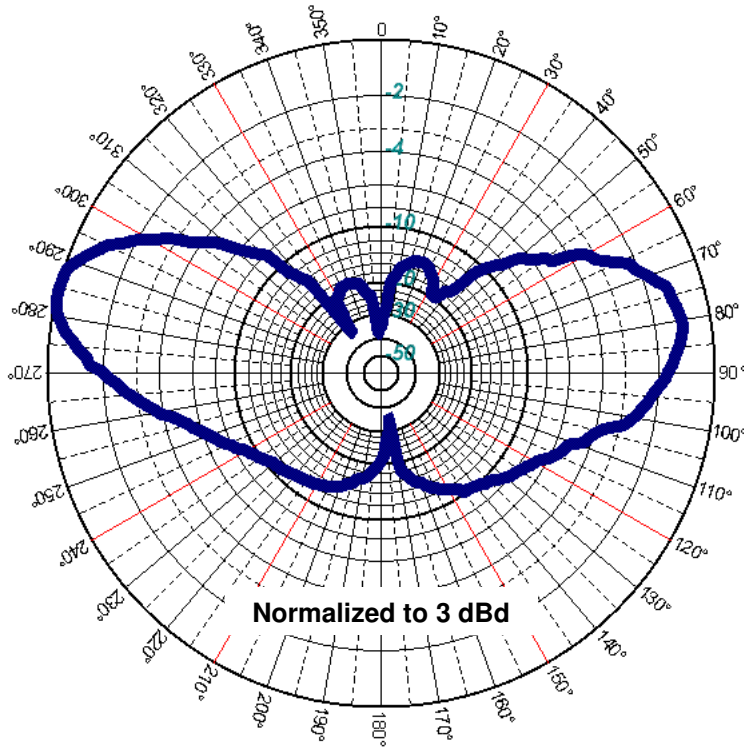
Americas: +1.847.839.6907
IAS-AmericasEastSales@lairdtech.com

Europe: +44.1628.858941
IAS-EUSales@lairdtech.com

Asia: +86.21.5855.0827.127
IAS-AsiaSales@lairdtech.com

www.lairdtech.com

RADIATION PATTERN



Elevation Pattern (Y, Z or H-plane)

Americas: +1.847 839.6907
IAS-AmericasEastSales@lairdtech.com

Europe: +44.1628.858941
IAS-EUSales@lairdtech.com

Asia: +86.21.5855.0827.127
IAS-AsiaSales@lairdtech.com

www.lairdtech.com

ANT-DS-FG4103

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