



Waterproof IP67 Fiberglass Outdoor Omnidirectional Antenna 0-6000MHz 2dBi 38x400

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Lian Zhao
- Model Number: LZANT-10138-A
- Minimum Order Quantity: 10
- Delivery Time: 15 days
- Payment Terms: T/T



Product Specification

- Frequency: 0-6000MHz
- VSWR: <2
- Gain: 2dBi
- Impedance: 50 OHM
- Connector: N Connector
- Highlight: Waterproof IP67 Omnidirectional Antenna,
2dBi Omnidirectional Antenna,
0-6000MHz Omnidirectional Antenna



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Product Description

A. Electrical Characteristics

Frequency	0-6000MHz
Impedance	50 Ohm
S.W.R.	<2
Gain	2dBi
Efficiency	≈33%
Horizontal Beamwidth	360°
Polarization	Linear
Max Power	100W

B. Material & Mechanical Characteristics

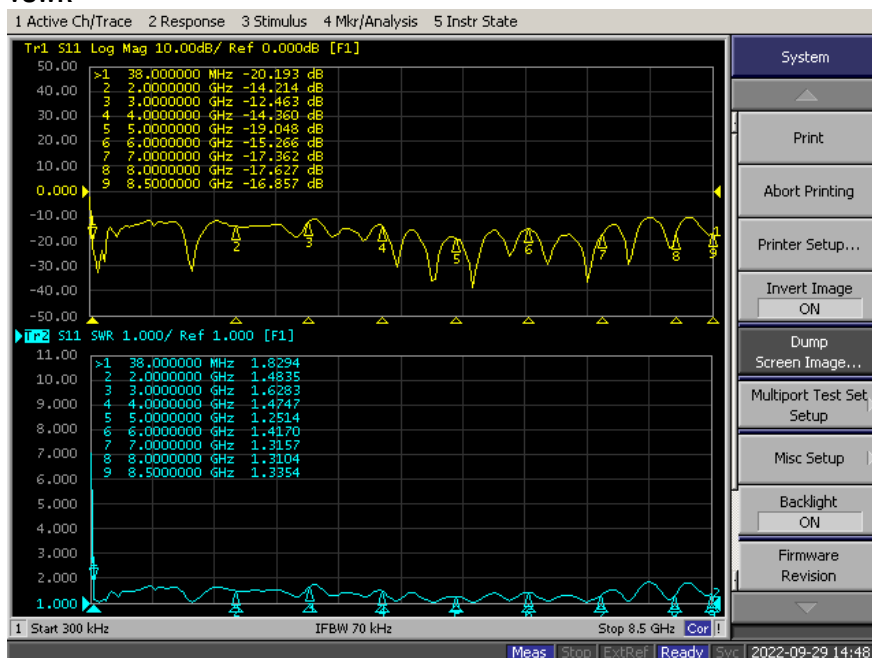
Connector Type	N connector
Dimension	Φ38*400mm
Weight	0.585Kg
Radome material	Fiberglass

C. Environmental

Operation Temperature	- 40 °C ~ + 80 °C
Storage Temperature	- 40 °C ~ + 80 °C

Antenna - S Parameter Test Data

VSWR



2.2 Total Efficiency & Gain:

Frequency (MHz)	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900
Gain (dBi)	-1.49	-2.17	-4.10	-1.63	-2.69	0.14	-1.70	-0.04	0.01	0.90	1.21	1.62	0.63	0.56	0.97	-0.01
Efficiency (%)	43.90	35.65	21.96	34.20	31.72	39.11	33.33	40.01	41.58	48.41	47.24	44.65	44.99	38.32	39.03	39.01

Frequency (MHz)	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500
Gain (dBi)	0.87	0.95	0.41	0.40	0.52	-0.31	0.97	1.03	0.47	-0.38	0.22	0.52	0.74	2.11	0.82	2.13
Efficiency (%)	41.71	39.48	37.03	38.41	40.21	34.81	32.26	35.50	35.66	38.85	30.37	32.73	32.94	34.52	39.81	37.94

Frequency (MHz)	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000	5100
Gain (dBi)	1.20	0.70	0.39	0.66	0.60	1.06	0.54	1.54	1.76	1.17	0.38	0.19	-0.53	-1.46	-0.84	-1.71
Efficiency (%)	36.69	39.28	43.29	42.16	41.71	40.54	40.80	40.61	43.72	39.93	35.09	34.68	34.50	34.35	30.68	27.72

Frequency (MHz)	5200	5300	5400	5500	5600	5700	5800	5900	6000	6100	6200	6300	6400	6500	6600	6700
Gain (dBi)	-2.39	-1.88	-2.39	-3.09	-2.29	-2.22	-3.34	-3.13	-2.43	-1.46	-0.87	-1.37	-1.42	-1.99	-2.32	-2.52

Efficiency (%)	22.63	24.19	22.03	20.79	22.02	23.44	23.20	23.90	23.09	24.74	26.66	30.58	31.11	29.03	25.55	23.38
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Frequency (MHz)	6800	6900	7000	7100	7200	7300	7400	7500	7600	7700	7800	7900	8000	8100	8200	8300
Gain (dBi)	-2.06	-1.88	-2.33	-2.94	-2.45	-1.48	-1.49	-1.60	-1.56	-0.76	-0.73	-0.30	-0.56	-0.44	-0.90	-0.66
Efficiency (%)	26.04	24.52	21.25	22.07	23.32	24.66	25.98	25.16	23.87	26.15	27.43	26.55	26.69	31.61	30.14	28.77



2.3 Radiation Pattern

	3D	2D-Horizontal	2D-Vertical
400MHz			
800MHz			
1800MHz			

	3D	2D-Horizontal	2D-Vertical

2100MHz			
2700MHz			
3500MHz			

	3D	2D-Horizontal	2D-Vertical
4200MHz			
5000MHz			

5800MHz			
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	3D	2D-Horizontal	2D-Vertical
6000MHz			
6800MHz			
7000MHz			

	3D	2D-Horizontal	2D-Vertical

7200MHz			
7800MHz			
8300MHz			



Dongguan Leenz Electronics Co., Ltd



19200261653



sale01@leenz.com



leenzantenna.com

2nd Floor, Building 1, Xinhe Industrial Park No. 162, Zhen'an East Road, Chang'an Town, Dongguan City,
Guangdong Province