

5GFR1 Omnidirectional Antenna

Cellular Antenna – Base Station

MHO5GFR1 Antennas



Description

High-performance, 5G base station antenna designed for broadband access.

Technologies

- Cellular

Features

- Innovative design for harsh environments
- Rugged, UV-resistant fiberglass housing
- Easy to install



MHO5GFR1 Series



BAM1009 mount

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The MHO5GFR1 high-performance omnidirectional antenna series is designed to cover frequencies from 617 - 5925 MHz for broadband access applications. With its integral N Female and N Male connector options at the base, this antenna can be directly mounted on the radio equipment.

Features

- Slender, rugged housing (1.125" OD)
- Innovative sealed version for harsh environments
- White UV-resistant radome; protects the antenna elements from environmental factors

Certifications



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Standard Configuration

Model	Connector	Mount
MHO5GFR1NF	N Female bulkhead	BAM-1009 base station aluminum mount kit for masts up to 2.4 inches in diameter included. (For N male antennas, purchase mating N female bulkhead cable assembly separately)
MHO5GFR1NM	N Male	

Electrical Specifications - RF Antenna (All models)

Frequency Ranges (MHz)	Max Gain (dBi)	VSWR	Azimuth Half Power Beamwidth	Elevation Half Power Beamwidth	Average Power (watts)	Nominal Impedance (ohms)	Polarization
617-640	1.81	4.5/3.5	360°	15° / 50°	25	50	Vertical, linear
640-896	2.38	2.7					
896-960	1.81	3					
1710-2000	3.43	3.1					
2000-2400	3.68	2.5					
2400-2700	3.17	2.5					
3300-4200	5.87	3					
4900-5925	4.33	3.5					

Mechanical and Environmental Specifications

Specification	MHO5GFR1NM	MHO5GFR1NF
Dimensions	1.125 OD x 9.38 H in (2.86 x 23.83 cm)	1.125 OD x 10.5 H in (2.86 x 26.67 cm)
Weight	0.34 lbs (.15 kg)	0.44 lbs (.20 kg)
Housing material	White UV-stable ASA	
Rated wind	125 mph (201.17 kph)	
Temperature range	-40°F to +185°F (-40°C to +85°C)	
Ingress protection	IP67	

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