

Model Series

HPFx-19-N

1.900 - 2.110 GHz High Performance Antenna

Designed to perform

Features

- Gabriel Quality and Dependability.
- Standard Feed input is a Type "N" Female, 50 ohm.
(other types available on request, see below.)
- Feeds may be installed from the front or rear of the antenna.
- Solid Reflector models offer polarization change from the rear of the antenna.
- Feed guy supports are included when necessary.
- Antenna features independent azimuth and elevation adjustments.
- Antenna Survival Ratings: 1 inch (25mm) of ice and 125 mph (201 kmh) wind.
- Antenna mounts to 4.5 in. OD (114 mm) (4 in. IPS) vertical pipe mast. Optional 2.38 in. - 4 in. OD (60 mm - 102 mm) mast mount available for 4 ft (1.2 m) antenna.
- Elevation adjustment range for 4 ft. (1.2 m) and 6 ft. (1.8 m) antennas is +50° to - 5°; invert the mount for -50° and +5°.
- Elevation adjustment range for 8 ft. (2.4 m) antennas is +/-7.5°.
- All mWAVE – Gabriel – Mark antennas meet or exceed Standard ANSI/TIA-222.



All antennas in this product line are available with optional wind brace struts and optional input connectors. mWAVE's Gabriel production color is gray with aviation white, aviation orange and custom colors available.

This product line is configurable for Severe Environment conditions.

Electrical Specifications

Frequency GHz	Model No.	Pol.	Size		Reg.	Gain, nominal dBi			HPBW Deg.	XPD dB	F/B dB	VSWR max	R.L. dB
			ft.	m.		Low	Mid	High					
1.900 – 2.110	HPF4-19-N	LP	4	1.2	-	24.8	25.2	25.7	8.4	28	41	1.3:1	17.7 †
1.900 – 2.110	HPF6-19-N	LP	6	1.8	-	28.1	28.6	29.0	5.6	30	45	1.3:1	17.7 †
1.900 – 2.110	HPF8-19-N	LP	8	2.4	-	30.7	31.2	31.6	4.5	30	50	1.3:1	17.7 †

Notes:

- (1.) Referenced product specifications are subject to change without notice.
- (2.) Designed, Engineered, and Manufactured in Windham, ME USA
- (3.) mWAVE Industries is part of the Alaris Holdings Group of Companies.
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- Notes:
- Available input connectors.
 - N = N-Female Connector Non-Pressurized
 - LN = N-Female Non-Pressurized Low VSWR
 - P = 7/8 EIA Flange Non-pressurized
 - L = 7/8 EIA Flange Pressurized Low VSWR
 - F = 7/16 DIN Connector Non-Pressurized
 - ** Compliance: U.S.F.C.C. Part 101.115
Contact mWAVE for other regulatory compliance.

