

Model Series

RFFDx-940-N

940 - 960 MHz Standard Parabolic - Dual Pol.

Designed to perform

Features

- Gabriel Quality and Dependability.
- 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 and High Performance 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 radomes, 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 MHz | Model No. | Pol. | Size | | Reg. | Gain, nominal dBi | | | HPBW Deg. | XPB dB | F/B dB | VSWR max | R.L. dB |
|------------------|--------------|------|------|-----|------|-------------------|------|------|--------------|-----------|-----------|-------------|------------|
| | | | ft. | m. | | Low | Mid | High | | | | | |
| 940 – 960 | RFFD4-940-N | LP | 4 | 1.2 | - | 18.5 | 18.6 | 18.7 | 18.2 | 26 | 24 | 1.3:1 | 17.7 |
| 940 – 960 | RFFD6-940-N | LP | 6 | 1.8 | A** | 21.9 | 22.0 | 22.1 | 12.0 | 28 | 26 | 1.3:1 | 17.7 |
| 940 – 960 | RFFD8-940-N | LP | 8 | 2.4 | A** | 24.4 | 24.5 | 24.6 | 9.0 | 29 | 28 | 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.
 F = 7/8 EIA Flange Non-pressurized
 N = N-Female Connector Non-Pressurized
 E = 7/16 DIN Connector Non-Pressurized
 ** Compliance: U.S.F.C.C. Part 101.115
 Contact mWAVE for other regulatory compliance.

