



1990 - 2110 MHz Parabolic Grid

Designed to deliver performance for decades

Features

- Lightweight and durable construction.
- Feed input Type N as shown, others noted below.
- Parabolic Grid designs typically offer 40% lower wind-loading, when compared to a like sized solid antenna without ice.
- Feed guy supports are included when necessary.
- Antenna features independent azimuth and elevation adjustment.
- Antenna Survival Ratings: 1 inch (25mm) of ice and 125 mph (201 kmh) wind.
- Antenna Mount Types:
 - Standard (S) mounts** mate to a 4.5 in. O.D. (114 mm) (4 in. IPS) vertical pipe mast. Available on 6-ft. – 15-ft. (1.8-m – 4.6-m)
 - Universal (U) mounts** mate to 1.9 in.– 4.5 in. O.D. (48 mm – 114 mm) vertical pipe mast. Available on 4-ft. – 6-ft. (1.2-m – 1.8-m)
- All mWAVE – Mark Grid Series antennas meet or exceed Standard ANSI/TIA-222.



mWAVE supports all current and legacy Mark parabolic grids with feeds, wind brace kits and other miscellaneous parts and tuning services.

Electrical Specifications

| Frequency MHz | 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 | | | | | |
| 1990 – 2110 | P-19A36GN-U | LP | 3 | 0.9 | - | 23.1 | 23.3 | 23.6 | 9.8 | 38 | 25 | 1.5:1 | 14.0 |
| 1990 – 2110 | P-19A48GN-U | LP | 4 | 1.2 | - | 25.6 | 25.8 | 26.0 | 8.4 | 35 | 36 | 1.3:1 | 17.7 |
| 1990 – 2110 | P-19A72GN-U | LP | 6 | 1.8 | B** | 29.2 | 29.3 | 29.5 | 5.6 | 45 | 38 | 1.3:1 | 17.7 |
| 1990 – 2110 | P-19A72GN-S | LP | 6 | 1.8 | B** | 29.2 | 29.3 | 29.5 | 5.6 | 45 | 38 | 1.3:1 | 17.7 |
| 1990 – 2110 | P-19A96GN-S | LP | 8 | 2.4 | A** | 31.7 | 31.8 | 32.0 | 4.2 | 46 | 40 | 1.1:1 | 26.4 |
| 1990 – 2110 | P-19A120GN-S | LP | 10 | 3.0 | A** | 33.5 | 33.8 | 34.1 | 3.4 | 38 | 42 | 1.1:1 | 26.4 |
| 1990 – 2110 | P-19A144GN-S | LP | 12 | 3.7 | A** | 35.0 | 35.3 | 35.5 | 2.7 | 40 | 44 | 1.1:1 | 26.4 |
| 1990 – 2110 | P-19A180GN-2 | LP | 15 | 4.6 | A** | 37.0 | 37.2 | 37.5 | 2.3 | 40 | 46 | 1.1:1 | 26.4 |

Notes: * Optional input connectors available.
 F = 7/8 EIA Flange Non-pressurized
 P = 7/8 EIA Air Dielectric Non-pressurized
 L = 7/8 EIA Flange Pressurized Low VSWR
 N = N-Female Connector Non-Pressurized
 E = 7/16 DIN Connector Non-Pressurized
 ** Compliance: U.S.F.C.C. Regulatory Standard Part 101.
 *** 10-ft (3.0), 12-ft (3.7) and 15-ft (4.6) parabolic grids ship in two halves.
 **** 8-ft (2.4) model is available as a split reflector (X2) on request.
Product information is subject to change without notice.

Designed, Engineered, and Manufactured in Windham, ME USA
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Form: 1990-2110-Grid-221209.R2-DS

