

1990 – 2110 MHz Parabolic Grid

Features:

- Lightweight and durable construction.
- Feed input Type N as shown, for others see Note 2 below.
- Grid antenna designs offer lower wind-loading, typically reduced 40% or more from a comparable sized solid antenna without ice.
- Feed guy wires are included where necessary.
- Antenna features independent azimuth and elevation adjustment.
- 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.
- All mWAVE – Mark Grid Series antennas meet or exceed Standard ANSI/TIA-222.



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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:

- † Improved VSWR (R.L.) available.
- * Optional input connectors available.
 F = 7/8 EIA Flange Non-pressurized
 N = N-Female Connector Non-Pressurized
 E = 7/16 DIN Connector Non-Pressurized
 L = 7/8 EIA Flange Pressurized Low VSWR
 LN = N-Female Non-Pressurized Low VSWR
- ** U.S.F.C.C. Regulatory Standard Part 101.