

400 - 430 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					
400 – 430	P-4HA48GN-U	LP	4	1.2	n/a	12.2	12.5	12.8	38.0	14	15	1.5:1	14.0 †
400 – 430	P-4HA72GN-U	LP	6	1.8	n/a	16.0	16.3	16.6	27.0	27	21	1.3:1	17.7 †
400 – 430	P-4HA72GN-S	LP	6	1.8	n/a	16.0	16.3	16.6	27.0	27	21	1.3:1	17.7 †
400 – 430	P-4HA96GN-S	LP	8	2.4	n/a	18.0	18.3	18.6	20.3	20	22	1.3:1	17.7 †
400 – 430	P-4HA120GN-S	LP	10	3.0	n/a	19.3	19.6	19.9	15.7	22	22	1.3:1	17.7 †
400 – 430	P-4HA144GN-S	LP	12	3.7	n/a	21.4	21.4	21.7	13.3	22	28	1.3:1	17.7 †
400 – 430	P-4HA180GN-2	LP	15	4.6	n/a	22.6	23.0	23.3	11.4	22	26	1.3:1	17.7 †

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