

# 1900 – 2300 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					
1900 – 2300	P-22A36GN-U	LP	3	0.9	-	23.8	23.5	24.2	9.4	36	24	1.5:1	14.0
1900 – 2300	P-22A48GN-U	LP	4	1.2	-	25.8	26.2	26.8	7.6	35	36	1.3:1	17.7 †
1900 – 2300	P-22A72GN-U	LP	6	1.8	B**	28.9	29.5	30.1	4.9	45	38	1.3:1	17.7 †
1900 – 2300	P-22A72GN-S	LP	6	1.8	B**	28.9	29.5	30.1	4.9	45	38	1.3:1	17.7 †
1900 – 2300	P-22A96GN-S	LP	8	2.4	A**	31.4	32.0	32.6	3.7	46	40	1.1:1	26.4 †
1900 – 2300	P-22A120GN-S	LP	10	3.0	A**	33.2	34.1	34.7	3.2	38	42	1.1:1	26.4 †
1900 – 2300	P-22A144GN-S	LP	12	3.7	A**	35.0	35.5	36.1	2.6	40	44	1.1:1	26.4 †
1900 – 2300	P-22A180GN-2	LP	15	4.6	A**	36.7	37.5	38.1	2.1	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.