

## 1850 – 1990 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					
1850 – 1990	P-20A36GN-U	LP	3	0.9	-	22.4	22.7	23.0	10.6	35	26	1.5:1	14.0
1850 – 1990	P-20A48GN-U	LP	4	1.2	-	25.5	25.8	26.1	8.0	36	34	1.3:1	17.7 †
1850 – 1990	P-20A72GN-U	LP	6	1.8	B**	28.7	28.9	29.2	5.4	35	36	1.2:1	20.8 †
1850 – 1990	P-20A72GN-S	LP	6	1.8	B**	28.7	28.9	29.2	5.4	35	36	1.2:1	20.8 †
1850 – 1990	P-20A96GN-S	LP	8	2.4	A**	31.1	31.4	31.7	4.2	40	39	1.1:1	26.4 †
1850 – 1990	P-20A120GN-S	LP	10	3.0	A**	32.8	33.1	33.4	3.4	35	42	1.1:1	26.4 †
1850 – 1990	P-20A144GN-S	LP	12	3.7	A**	34.2	34.5	34.8	2.8	40	44	1.1:1	26.4 †
1850 – 1990	P-20A180GN-2	LP	15	4.6	A**	36.4	36.7	37.0	2.4	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.