



### 450 - 470 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					
450 – 470	P-5A48GN-U	LP	4	1.2	n/a	12.9	13.1	13.3	34.0	13	16	1.5:1	14.0
450 – 470	P-5A72GN-U	LP	6	1.8	n/a	16.2	16.4	16.6	23.8	16	25	1.3:1	17.7
450 – 470	P-5A72GN-S	LP	6	1.8	n/a	16.2	16.4	16.6	23.8	16	25	1.3:1	17.7
450 – 470	P-5A96GN-S	LP	8	2.4	n/a	19.0	19.2	19.4	17.6	20	20	1.3:1	17.7
450 – 470	P-5A120GN-S	LP	10	3.0	n/a	21.3	21.7	21.7	14.0	22	22	1.3:1	17.7
450 – 470	P-5A144GN-S	LP	12	3.7	n/a	21.1	22.3	22.5	11.7	26	26	1.3:1	17.7

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  
 Contact mWAVE for other regulatory compliance.  
 \*\*\*\* 8-ft (2.4) model is available as a split reflector (X2) on request.

Designed, Engineered, and Manufactured in Windham, ME USA  
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Form: 450-470-Grid-221031.R2 DS

