



# 13 GHz (12.70 - 13.25) HIGH-PERFORMANCE MICROWAVE ANTENNAS

## FEATURES

- **Antenna diameters**
  - 2' (60 cm)
  - 3' (90 cm)
  - 4' (120 cm)
  - 6' (180 cm)
- **Antenna weights**
  - 2' 27 lbs. (12.2 kg)
  - 3' 50 lbs. (22.5 kg)
  - 4' 85 lbs. (38.3 kg)
  - 6' 120 lbs. (54.0 kg)
- **HP models:** high-performance, plane polarized
- **HPD models:** dual polarized
- **IEC or EIA flanges available**
- **Direct mounting** for RF units available
- **Ease of installation:** antennas shipped completely assembled, minimal mount required
- **Planar radomes** standard with high-performance model
- **Rugged and lightweight** cast aluminum mount with fine adjustment for both azimuth and elevation
- **Compact size,** due to Radio Waves innovative feed design
- **Standard white;** other colors and/or logos available on request
- **Corrosive resistant:** coated aluminum, hot dipped galvanized steel and stainless steel
- **Three year warranty**



## 12.70 - 13.25 GHz ELECTRICAL SPECIFICATIONS (typical performance)\*

| Model Number           | Diameter ft (cm) | Gain, dBi |      |      | Beamwidth Degrees, 3dB | X Pol. Disc., dB | F/B Ratio dB | VSWR Max. (R.L., dB) |
|------------------------|------------------|-----------|------|------|------------------------|------------------|--------------|----------------------|
|                        |                  | Low       | Mid  | High |                        |                  |              |                      |
| <b>Plane Polarized</b> |                  |           |      |      |                        |                  |              |                      |
| HP2-13                 | 2 (60)           | 35.1      | 35.2 | 35.4 | 2.8                    | 30               | 63           | 1.4:1 (15.5)         |
| HP3-13                 | 3 (90)           | 38.6      | 38.7 | 38.9 | 2.1                    | 30               | 66           | 1.4:1 (15.5)         |
| HP4-13                 | 4 (120)          | 41.1      | 41.2 | 41.4 | 1.4                    | 30               | 68           | 1.4:1 (15.5)         |
| HP6-13                 | 6 (180)          | 44.3      | 44.4 | 44.6 | 0.9                    | 30               | 70           | 1.4:1 (15.5)         |
| <b>Dual Polarized</b>  |                  |           |      |      |                        |                  |              |                      |
| HPD2-13                | 2 (60)           | 34.9      | 35.0 | 35.2 | 2.8                    | 30               | 63           | 1.4:1 (15.5)         |
| HPD3-13                | 3 (90)           | 38.4      | 38.5 | 38.7 | 2.1                    | 30               | 66           | 1.4:1 (15.5)         |
| HPD4-13                | 4 (120)          | 39.9      | 41.0 | 41.2 | 1.4                    | 30               | 68           | 1.4:1 (15.5)         |
| HPD6-13                | 6 (180)          | 44.1      | 44.2 | 44.6 | 0.9                    | 30               | 70           | 1.4:1 (15.5)         |

\* All specifications subject to change without notice.  
For regulatory compliances, contact Radio Waves.