



28 GHz (27.3 - 31.3) HIGH-PERFORMANCE MICROWAVE ANTENNAS

FEATURES

- **Antenna diameters**
 - 1' (30 cm)
 - 1.5' (45 cm)
 - 2' (60 cm)
- **Antenna weights**
 - 1' 17 lbs. (7.7 kg)
 - 1.5' 19 lbs. (8.6 kg)
 - 2' 27 lbs. (12.2 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**



27.3 - 31.3 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 | | | | |
| Plane Polarized | | | | | | | | |
| HPLP1-28 | 1 (30) | 36.0 | 36.5 | 37.0 | 2.3 | 28 | 56 | 1.46:1 (14.5) |
| HPLP1.5-28 | 1.5 (45) | 39.1 | 39.6 | 40.1 | 1.5 | 28 | 58 | 1.46:1 (14.5) |
| HP2-28 | 2 (60) | 42.0 | 42.5 | 43.0 | 1.3 | 30 | 72 | 1.46:1 (14.5) |
| Dual Polarized | | | | | | | | |
| HPLPD1-28 | 1 (30) | 35.8 | 36.3 | 36.8 | 2.3 | 28 | 56 | 1.46:1 (14.5) |
| HPLPD1.5-28 | 1.5 (45) | 38.9 | 39.4 | 39.9 | 1.5 | 28 | 58 | 1.46:1 (14.5) |
| HPD2-28 | 2 (60) | 41.8 | 42.3 | 42.8 | 1.3 | 30 | 72 | 1.46:1 (14.5) |

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