



18 GHz (17.7 - 19.7) HIGH-PERFORMANCE MICROWAVE ANTENNAS

FEATURES

- **Antenna diameters**
 - 1' (30 cm)
 - 1.5' (45 cm)
 - 2' (60 cm)
 - 3' (90 cm)
 - 4' (120 cm)
- **Antenna weights**
 - 1' 17 lbs. (7.7 kg)
 - 1.5' 19 lbs. (8.6 kg)
 - 2' 27 lbs. (12.2 kg)
 - 3' 50 lbs. (22.5 kg)
 - 4' 85 lbs. (38.3 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**



17.7 - 19.7 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								
HPLP1-18	1 (30)	33.5	34.0	34.4	3.0	30	53	1.4:1 (15.5)
HPLP1.5-18	1.5 (45)	35.7	36.2	36.7	2.5	30	58	1.4:1 (15.5)
HP2-18	2 (60)	38.2	38.6	39.0	2.0	30	66	1.4:1 (15.5)
HP3-18	3 (90)	41.6	42.0	42.4	1.3	30	69	1.4:1 (15.5)
HP4-18	4 (120)	44.1	44.5	44.9	1.0	30	72	1.4:1 (15.5)
Dual Polarized								
HPLPD1-18	1 (30)	33.3	33.8	34.2	3.0	30	53	1.4:1 (15.5)
HPLPD1.5-18	1.5 (45)	35.5	36.0	36.5	2.5	30	58	1.4:1 (15.5)
HPD2-18	2 (60)	38.0	38.4	38.8	2.0	30	66	1.4:1 (15.5)
HPD3-18	3 (90)	41.4	41.8	42.2	1.3	30	69	1.4:1 (15.5)
HPD4-18	4 (120)	43.8	44.3	44.7	1.0	30	72	1.4:1 (15.5)

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