

High Performance Series for 17.7-19.7 GHz Frequencies

Key Features

- High Performance antennas minimize interference as they have more stringent radiation side lobe and front-to-back suppression characteristics
- Lightweight and rugged design
- Easily installed with our superior mounting system included with the antenna
- RF connector: WR42 UG-Cover with Groove Flange
- Our industry leading 5-year warranty
- Radome is included
- Single (HP) and Dual (HPD) polarization are available
- Low Profile Design HPLP2-18 available, see individual spec sheet



Antenna Specifications, Electrical (typical)

Model Number	Diameter ft. (m)	Frequency GHz	Gain (dBi)			3dB BW degs	X-Pol Rejection. dB	F/B Ratio dB	VSWR, Max (R.L., dB)	Antenna Weights
			Low	Mid	High					
HPLP1-18	1 (0.3)	17.7-19.7	33.5	34.0	34.4	3.0 deg.	30 dB	61 dB	1.37:1 (16.1)	17 lbs. (7.7 kg)
HPLPD1-18	1 (0.3)	17.7-19.7	33.3	33.8	34.2	3.0 deg.	30 dB	61 dB	1.37:1 (16.1)	17 lbs. (7.7 kg)
HP2-18	2 (0.6)	17.7-19.7	38.2	38.6	39.0	2.0 deg.	30 dB	67 dB	1.37:1 (16.1)	27 lbs. (12.3 kg)
HPD2-18	2 (0.6)	17.7-19.7	38.0	38.4	38.8	2.0 deg.	30 dB	67 dB	1.37:1 (16.1)	27 lbs. (12.3 kg)
HP3-18	3 (0.9)	17.7-19.7	41.6	42.0	42.4	1.3 deg.	30 dB	69 dB	1.37:1 (16.1)	50 lbs. (22.7 kg)
HPD3-18	3 (0.9)	17.7-19.7	41.4	41.8	42.2	1.3 deg.	30 dB	69 dB	1.37:1 (16.1)	50 lbs. (22.7 kg)
HP4-18	4 (1.2)	17.7-19.7	44.1	44.5	44.9	1.0 deg.	30 dB	72 dB	1.37:1 (16.1)	85 lbs. (38.3 kg)
HPD4-18	4 (1.2)	17.7-19.7	43.9	44.3	44.7	1.0 deg.	30 dB	72 dB	1.37:1 (16.1)	85 lbs. (38.3 kg)
HP6-18	6 (1.8)	17.7-19.7	47.5	48.0	48.5	0.7 deg.	30 dB	74 dB	1.37:1 (16.1)	251 lbs. (113.0 kg)
HPD6-18	6 (1.8)	17.7-19.7	47.3	47.8	48.3	0.7 deg.	30 dB	74 dB	1.37:1 (16.1)	251 lbs. (113.0 kg)

Note: Flex Twist jumpers and Side Struts available from Radio Waves