

STANDARD PARABOLIC ANTENNAS AND RADOMES: DIAMETERS, WEIGHTS AND ELECTRICAL SPECIFICATIONS

STANDARD PARABOLIC ANTENNAS, SP SERIES - DUAL POLARIZED

ANTENNA DIAMETERS AND WEIGHTS:

1 ft	(0.3m)	- 15 lbs. (6.8 kg)
2 ft	(0.6m)	- 22 lbs. (9.9 kg)
3 ft	(0.9m)	- 35 lbs. (15.8 kg)
4 ft	(1.2m)	- 60 lbs. (27.0 kg)
6 ft	(1.8m)	- 90 lbs. (40.5 kg)
8 ft	(2.4m)	- 250 lbs. (112.5 kg)

ELECTRICAL SPECIFICATIONS (typical performance)

Model Number	Frequency, GHz	Polarization	Gain dBi (nominal)	Beamwidth -3dB	X-Pol. Rejection, dB	F/B Ratio dB	VSWR, Max (R.L., dB)
2.4 - 2.7 GHz Range							
SPD2-2.4	2.40 - 2.70	Dual	21.1	14.0	28	28	1.5:1 (14.0)
SPD3-2.4	2.40 - 2.70	Dual	24.1	9.5	30	30	1.5:1 (14.0)
SPD4-2.4	2.40 - 2.70	Dual	27.0	7.3	30	34	1.5:1 (14.0)
SPD6-2.4	2.40 - 2.70	Dual	30.1	4.8	30	38	1.5:1 (14.0)
SPD8-2.4	2.40 - 2.70	Dual	32.5	3.6	30	39	1.5:1 (14.0)
3.3 - 3.6 GHz Range *							
SPD2-3.5NS	3.3 - 3.6*	Dual	24.2	10.0	28	32	1.5:1 (14.0)
SPD3-3.5NS	3.3 - 3.6*	Dual	27.7	8.0	30	34	1.5:1 (14.0)
SPD4-3.5NS	3.3 - 3.6*	Dual	30.2	5.0	30	38	1.5:1 (14.0)
SPD6-3.5NS	3.3 - 3.6*	Dual	33.8	3.3	30	40	1.5:1 (14.0)
SPD8-3.5NS	3.3 - 3.6*	Dual	36.3	2.5	30	43	1.5:1 (14.0)
5.25 - 5.85 GHz Range							
SPD2-5.2	5.25 - 5.85	Dual	29.0	6.2	30	38	1.5:1 (14.0)
HPD2-5.2	5.25 - 5.85	Dual	28.6	6.1	28	44	1.5:1 (14.0)
SPD3-5.2	5.25 - 5.85	Dual	32.5	4.2	30	40	1.5:1 (14.0)
SPD4-5.2	5.25 - 5.85	Dual	34.9	3.1	30	44	1.5:1 (14.0)
HPD4-5.2	5.25 - 5.85	Dual	34.7	3.0	30	49	1.5:1 (14.0)
SPD6-5.2	5.25 - 5.85	Dual	37.9	2.1	30	46	1.5:1 (14.0)
SPD8-5.2	5.25 - 5.85	Dual	39.7	1.6	30	52	1.5:1 (14.0)

All specifications subject to change without notice.

* Note that 3.3 - 3.6 GHz parabolics can be ordered tuned

RADOMES, RD SERIES, RADOMES ARE FACTORY ATTACHED FOR 2, 3, 4 & 8 FT MODELS AT NO CHARGE.

RADOME DIAMETERS AND WEIGHTS:

2 ft	(0.6m)	- 4 lbs. (1.8 kg)
3 ft	(0.9m)	- 8 lbs. (3.6 kg)
4 ft	(1.2m)	- 20 lbs. (9.0 kg)
6 ft	(1.8m)	- 30 lbs. (13.5 kg)
8 ft	(2.4m)	- 70 lbs. (31.5 kg)

ELECTRICAL SPECIFICATIONS (typical performance)

Model Number	Diameter ft. (m)	Attenuation					Add to antenna VSWR, Max				
		2 GHz	5 GHz	7GHz	10 GHz	13 GHz	2 GHz	5 GHz	7 GHz	10 GHz	13 GHz
RD2	2 (0.6)	0.2	0.4	0.5	0.6	0.7	0.02	0.02	0.02	0.03	0.04
RD3	3 (0.9)	0.2	0.4	0.5	0.6	0.7	0.02	0.02	0.02	0.03	0.04
RD4	4 (1.2)	0.2	0.4	0.5	0.6	0.7	0.02	0.02	0.02	0.03	0.04
RD6	6 (1.8)	0.2	0.4	0.5	0.6	0.7	0.02	0.02	0.02	0.03	0.04
RD8	8 (2.4)	0.2	0.4	0.5	0.6	0.7	0.02	0.02	0.02	0.03	0.04