

7.125 - 7.725 GHz

	Type Number	Diameter ft (m)	Input Flanges	Gain, dBi		Beamwidth Degrees	Cross Pol. Disc., dB	F/B Ratio dB	VSWR max. (R.L., dB)
				Bottom	Mid-Band Top				
Single Polarized	FP4-71	4 (1.2)	PDR70	34.9	35.2	35.4	2.2	25	1.10 (26.4)
	FP6-71	6 (1.8)		38.8	39.2	39.5	1.5	25	1.07 (29.4)
	FP8-71	8 (2.4)		42.0	42.3	42.4	1.1	26	1.06 (30.7)
	FP10-71	10 (3.0)		44.1	44.4	44.5	0.9	26	1.04 (34.2)
	FP12-71	12 (3.7)		45.7	46.1	46.2	0.7	28	1.04 (34.2)
Dual Polarized	FPX6-71	6 (1.8)	PDR70	38.8	39.2	39.5	1.5	25	1.08 (28.3)
	FPX8-71	8 (2.4)		41.8	42.1	42.3	1.1	26	1.07 (29.4)
	FPX10-71	10 (3.0)		43.9	44.2	44.3	0.9	26	1.06 (30.7)
	FPX12-71	12 (3.7)		45.5	45.9	46.0	0.7	28	1.06 (30.7)



Focal Plane Antennas

7.125 - 7.750 GHz*

	Type Number	Diameter ft (m)	Input Flanges	Gain, dBi		Beamwidth Degrees	Cross Pol. Disc., dB	F/B Ratio dB	VSWR max. (R.L., dB)
				Bottom	Mid-Band Top				
Single Polarized	HP6-71E	6 (1.8)	CPR137G or PDR70	40.1	40.5	40.9	1.5	28	1.06 (30.7)
	HP8-71D	8 (2.4)		42.6	43.0	43.3	1.1	30	1.06 (30.7)‡
	HP10-71D	10 (3.0)		44.3	44.7	45.0	0.9	30	1.06 (30.7)‡
	HP12-71E	12 (3.7)		46.3	46.7	47.1	0.7	30	1.06 (30.7)‡
	HP15-71D	15 (4.6)		47.4	48.1	48.4	0.6	30	1.06 (30.7)‡
Single Polarized	HP4-71G	4 (1.2)	CPR112G or PDR84	35.8	36.2	36.5	2.4	28	1.08 (28.3)
	HP6-71GF	6 (1.8)		39.7	40.0	40.3	1.5	30	1.06 (30.7)
	HP8-71GE	8 (2.4)		42.3	42.5	42.9	1.1	30	1.06 (30.7)‡
	HP10-71GE	10 (3.0)		44.1	44.5	44.8	0.9	28	1.06 (30.7)‡
	HP12-71GF	12 (3.7)		45.6	46.0	46.3	0.7	30	1.06 (30.7)‡
	HP15-71GE	15 (4.6)		47.5	47.8	48.2	0.6	30	1.06 (30.7)‡
Dual Polarized	HPX4-71A	4 (1.2)	CPR137G or PDR70	36.0	36.4	36.7	2.3	26	1.08 (28.3)
	HPX6-71F	6 (1.8)		40.0	40.4	40.7	1.5	25	1.07 (29.4)
	HPX8-71E	8 (2.4)		42.4	42.9	43.2	1.1	30	1.06 (30.7)
	HPX10-71E	10 (3.0)		44.5	44.8	45.0	0.9	30	1.06 (30.7)
	HPX12-71E	12 (3.7)		45.7	46.1	46.4	0.8	28	1.06 (30.7)
	HPX15-71D	15 (4.6)		47.3	47.7	48.0	0.7	32	1.06 (30.7)
Dual Polarized	HPX6-71GE	6 (1.8)	CPR112G or PDR84	39.5	39.9	40.2	1.6	30	1.06 (30.7)
	HPX8-71GD	8 (2.4)		42.1	42.5	42.8	0.9	30	1.06 (30.7)



High Performance Antennas – Hypalon (Except 4 ft is TEGLAR®) Radome Included



High Performance Antennas – Super High Cross Polarization Discrimination

Dual Polarized High XPD	HSX4-71	4 (1.2)	CPR112G	36.4	36.7	37.0	2.3	40	1.08 (28.3)
	HSX6-71	6 (1.8)		40.0	40.3	40.6	1.5	40	1.08 (28.3)
	HSX8-71	8 (2.4)		42.3	42.6	42.9	1.2	40	1.06 (30.7)
	HSX10-71	10 (3.0)		43.9	44.2	44.4	1.0	40	1.06 (30.7)
	HSX12-71	12 (3.7)		46.1	46.5	46.9	0.8	40	1.06 (30.7)
	HSX15-71	15 (4.6)		47.7	48.1	48.5	0.6	40	1.06 (30.7)

* 7.110-7.725 available on request.
‡ 1.04 (34.2) available on request.