

6.425 - 7.125 GHz

	Type Number	Diameter ft (m)	Input Flanges	Regulatory Compliance†	Gain, dBi Bottom	Gain, dBi Mid-Band	Gain, dBi Top	Beamwidth Degrees	Cross Pol. Disc., dB	F/B Ratio dB	VSWR max. (R.L., dB)
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UHX® Ultra High Performance Antennas – TEGLAR® Long Life Radome Included

Dual Polarized	UHX6-65E	6 (1.8)	CPR137G	B/A*	39.1	39.5	40.0	1.7	30	70	1.06 (30.7)
	UHX8-65E	8 (2.4)	or	A	41.6	42.0	42.4	1.3	30	76	1.06 (30.7)
	UHX10-65E	10 (3.0)	PDR70	A	43.6	44.0	44.4	1.0	32	80	1.06 (30.7)
	UHX12-65J	12 (3.7)		A	45.2	45.7	46.1	0.9	38	78	1.06 (30.7)
	UHX15-65E	15 (4.6)		A	46.6	46.9	47.3	0.7	30	75	1.06 (30.7)



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

Single Polarized	HP4-65A	4 (1.2)	CPR137G	–	35.5	36.0	36.4	2.7	30	58	1.08 (28.3)
	HP6-65F	6 (1.8)	or	B/A*	39.4	39.8	40.2	1.7	30	64	1.06 (30.7)
	HP8-65E	8 (2.4)	PDR70	A	41.9	42.3	42.8	1.3	30	66	1.06 (30.7)‡
	HP10-65E	10 (3.0)		A	43.6	43.9	44.3	1.0	27	70	1.06 (30.7)‡
	HP12-65E	12 (3.7)		A	45.2	45.6	46.1	0.8	30	71	1.06 (30.7)‡
Dual Polarized	HP15-65D	15 (4.6)		A	46.8	47.1	47.6	0.7	30	71	1.06 (30.7)‡
	HPX4-65A	4 (1.2)	CPR137G	–	35.4	35.9	36.3	2.7	30	58	1.08 (28.3)
	HPX6-65E	6 (1.8)	or	B/A*	39.1	39.5	39.9	1.7	30	64	1.07 (29.4)
	HPX8-65D	8 (2.4)	PDR70	A	41.6	42.0	42.4	1.3	34	68	1.06 (30.7)
	HPX10-65D	10 (3.0)		A	43.6	44.0	44.4	1.0	34	70	1.06 (30.7)
	HPX12-65D	12 (3.7)		A	45.0	45.4	45.9	0.8	30	71	1.06 (30.7)
	HPX15-65D	15 (4.6)		A	46.6	46.9	47.3	0.7	30	71	1.06 (30.7)



HSX High Performance Antennas – Super High Cross Polarization Discrimination

Dual Polarized High XPD	HSX6-64A	6 (1.8)	CPR137G	B/A*	39.1	39.6	40.0	1.7	40	70	1.07 (29.4)
	HSX8-64A	8 (2.4)		A	41.6	42.0	42.4	1.3	40	75	1.06 (30.7)
	HSX10-64A	10 (3.0)		A	43.2	43.6	44.0	1.0	40	77	1.06 (30.7)
	HSX12-64A	12 (3.7)		A	45.2	45.7	46.1	0.8	40	78	1.06 (30.7)
	HSX15-64A	15 (4.6)		A	46.9	47.4	47.8	0.7	40	79	1.06 (30.7)



FP Focal Plane Antennas

Single Polarized	FP6-64	6 (1.8)	PDR70	–	38.2	38.6	38.8	1.8	28	57	1.07 (29.4)
	FP8-64	8 (2.4)		–	41.1	41.5	41.8	1.3	30	64	1.06 (30.7)
	FP10-64	10 (3.0)		–	43.2	43.3	43.8	1.0	27	66	1.04 (34.2)
	FP12-64	12 (3.7)		–	44.9	45.3	45.5	0.8	30	68	1.04 (34.2)
Dual Polarized	FPX6-64	6 (1.8)	PDR70	–	38.0	38.4	38.6	1.8	28	57	1.08 (28.3)
	FPX8-64	8 (2.4)		–	40.8	41.2	41.4	1.3	30	64	1.07 (29.4)
	FPX10-64	10 (3.0)		–	43.0	43.4	43.6	1.0	30	66	1.06 (30.7)
	FPX12-64	12 (3.7)		–	44.8	45.2	45.4	0.8	30	68	1.06 (30.7)

† U. S. FCC Parts 94 and 74. Part 101 will replace Part 94 effective June, 1997.

* These antennas meet Category B under FCC Part 94 and Category A under Part 101.

** Isolation is 50 dB.

‡ 1.04 (34.2) available on request.

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