



# Microwave Antennas

## 1.85 - 1.99 GHz

Type Number	Diameter ft (m)	Input Flanges	Regulatory Compliance†	Gain, dBi			Beamwidth Degrees	Cross Pol. Disc., dB	F/B Ratio dB	VSWR max. (R.L., dB)
				Bottom	Mid-Band	Top				

### UHP® Ultra High Performance Antennas – TEGLAR® Long Life Radome Included

Air Dielectric Single	<b>UHP8-18</b>	8 (2.4)	<b>7/8" EIA</b>	A	30.8	31.1	31.4	4.8	33	62	1.08 (28.3)
Polarized	<b>UHP10-18</b>	10 (3.0)		A	32.6	33.0	33.3	4.2	32	62	1.08 (28.3)
F-Series Unpressurized Single	<b>UHP8F-18</b>	8 (2.4)	<b>"F" Flange Female</b>	A	30.8	31.1	31.4	4.8	33	62	1.10 (26.4)
Polarized	<b>UHP10F-18</b>	10 (3.0)		A	32.6	33.0	33.3	4.2	32	62	1.10 (26.4)
	<b>UHP12F-18</b>	12 (3.7)	A	34.4	34.7	35.0	3.3	32	66	1.08 (28.3)	

### HP High Performance Antennas – Hypalon Radome Included

Air Dielectric Single	<b>HP6-18A</b>	6 (1.8)	<b>7/8" EIA</b>	B	28.5	28.8	29.1	6.0	30	45	1.10 (26.4)
Polarized	<b>HP8-18A</b>	8 (2.4)		A	31.0	31.3	31.6	4.5	30	50	1.08 (28.3)
	<b>HP10-18A</b>	10 (3.0)	A	33.0	33.3	33.6	3.7	30	50	1.08 (28.3)	
	<b>HP12-18A</b>	12 (3.7)	A	34.5	34.8	35.1	3.2	30	55	1.08 (28.3)	
	<b>HP15-18A</b>	15 (4.6)	A	36.4	36.7	37.0	2.3	30	58	1.08 (28.3)	
F-Series Unpressurized Single	<b>HP6F-18A</b>	6 (1.8)	<b>"F" Flange Female</b>	B	28.4	28.7	29.0	6.0	30	45	1.15 (23.1)
Polarized	<b>HP8F-18</b>	8 (2.4)		A	30.9	31.2	31.5	4.5	30	50	1.15 (23.1)
	<b>HP10F-18</b>	10 (3.0)	A	32.9	33.2	33.5	3.7	30	50	1.15 (23.1)	
	<b>HP12F-18</b>	12 (3.7)	A	34.4	34.7	35.0	3.2	30	55	1.15 (23.1)	

### PL PXL Standard Antennas

Low VSWR Air Dielectric Single	<b>PL6-18</b>	6 (1.8)	<b>7/8" EIA</b>	B	28.5	28.8	29.1	6.0	30	36	1.10 (26.4)
Polarized	<b>PL8-18A</b>	8 (2.4)		A	31.0	31.3	31.6	4.5	30	39	1.08 (28.3)
	<b>PL10-18A</b>	10 (3.0)	A	33.0	33.3	33.6	3.7	34	42	1.08 (28.3)	
	<b>PL12-18A</b>	12 (3.7)	A	34.5	34.8	35.1	3.0	30	45	1.08 (28.3)	
Low VSWR Air Dielectric Dual	<b>PXL8-18D</b>	8 (2.4)	<b>7/8" EIA</b>	A	31.0	31.2	31.5	4.6	28	43	1.10 (26.4)
Polarized	<b>PXL10-18D</b>	10 (3.0)		A	32.9	33.1	33.6	3.7	28	46	1.10 (26.4)
	<b>PXL12-18D</b>	12 (3.7)	A	34.5	34.7	35.2	3.0	28	48	1.10 (26.4)	
F-Series Unpressurized Single	<b>P4F-18D</b>	4 (1.2)	<b>"F" Flange Female</b>	B	24.5	24.8	25.1	9.5	30	30	1.15 (23.1)
Polarized	<b>P6F-18C</b>	6 (1.8)		A	28.4	28.7	29.0	6.0	30	36	1.15 (23.1)
	<b>P8F-18C</b>	8 (2.4)	A	30.9	31.2	31.5	4.5	30	39	1.15 (23.1)	
	<b>P10F-18C</b>	10 (3.0)	A	32.9	33.2	33.5	3.7	34	42	1.15 (23.1)	

### KP GRIDPAK® Antennas\*\*

Air Dielectric Single	<b>KP4-18</b>	4 (1.2)	<b>7/8" EIA</b>	—	24.7	25.7	26.5	8.6	31	32	1.20 (20.8)
Polarized	<b>KP6-18</b>	6 (1.8)		B	28.4	29.4	30.3	5.5	33	36	1.10 (26.4)
	<b>KP8-18</b>	8 (2.4)	A	30.8	31.1	31.4	4.2	35	39	1.08 (28.3)	
	<b>KP10-18</b>	10 (3.0)	A	32.7	33.0	33.3	3.4	35	42	1.08 (28.3)	
	<b>KP13-18</b>	13 (4.0)	A	34.4	35.4	36.3	3.0	30	40	1.08 (28.3)	
	<b>GPL15-18A***</b>	15 (4.6)	A	36.3	36.6	36.9	2.3	40	46	1.08 (28.3)	
F-Series Unpressurized Single	<b>KP4F-18</b>	4 (1.2)	<b>"F" Flange Female,</b>	—	24.6	25.6	26.4	8.6	31	32	1.30 (17.7)
Polarized	<b>KP6F-18</b>	6 (1.8)		B	28.3	29.3	30.2	5.5	33	36	1.15 (23.1)
	<b>KP8F-18</b>	8 (2.4)	<b>7/8" EIA or Type N</b>	A	30.7	31.0	31.3	4.2	35	39	1.15 (23.1)
	<b>KP10F-18</b>	10 (3.0)	A	32.6	32.9	33.2	3.4	35	42	1.15 (23.1)	
	<b>KP13F-18</b>	13 (4.0)	<b>Female</b>	A	34.3	35.3	36.2	3.0	30	40	1.15 (23.1)
	<b>GP15F-18***</b>	15 (4.6)	A	36.3	36.6	36.9	2.3	40	46	1.15 (23.1)	

† U.S. FCC Part 94.

\*\* Factory assembly available for an additional charge.

\*\*\* 15 foot antennas are welded construction