

# Microwave Antennas



**NEW!**

## 1.35 - 1.535 GHz

	Type Number	Diameter ft (m)	Input Flanges	Regulatory Compliance*	Bottom	Gain, dBi Mid-Band	Top	Beamwidth Degrees	Cross Pol. Disc., dB	F/B Ratio dB	VSWR max. (R.L., dB)
<b>FP Focal Plane Antennas</b>											
Unpressurized	<b>FP4F-13</b>	4 (1.2)	<b>"F" Flange</b>	*	21.7	22.3	22.5	12.2	30	40	1.3 (17.7)
Single	<b>FP6F-13</b>	6 (1.8)	<b>Female</b>	*	25.2	25.8	25.9	8.1	30	44	1.3 (17.7)
Polarized	<b>FP8F-13</b>	8 (2.4)		*	28.2	29.3	29.4	6.1	30	48	1.3 (17.7)
	<b>FP10F-13</b>	10 (3.0)		*	29.6	30.8	30.9	4.7	30	49	1.3 (17.7)
	<b>FP12F-13</b>	12 (3.7)		*	31.0	31.8	32.1	4.2	30	50	1.3 (17.7)

**NEW!**

	Type Number	Diameter ft (m)	Input Flanges	Regulatory Compliance*	Bottom	Gain, dBi Mid-Band	Top	Beamwidth Degrees	Cross Pol. Disc., dB	F/B Ratio dB	VSWR max. (R.L., dB)
<b>KPR GRIDPAK® Antennas – Rural Telephony</b>											
Air Dielectric	<b>KPR3F-13</b>	3 (0.9)	<b>Type N Female,</b>	–	20.1	20.1	20.1	13.0V/14.9H	28	23	1.35 (16.5)
Single	<b>KPR4F-13</b>	4 (1.2)	or	–	22.4	23.6	23.6	10.1V/10.9H	30	24	1.35 (16.5)
Polarized	<b>KPR6F-13</b>	6 (2.0)	7/8" EIA,	–	26.3	26.8	27.3	6.6V/6.6H	30	30	1.35 (16.5)
	<b>KPR8F-13</b>	8 (2.4)	"F" Flange	–	28.5	29	29.6	5.4V/5.4H	30	32	1.30 (17.7)
	<b>KPR10F-13</b>	10 (3.0)	Female,	–	29.9	30.5	31.0	4.7V/4.7H	30	32	1.30 (17.7)
	<b>KPR13F-13</b>	13 (4.0)	7-16 DIN Female	–	32.2	32.8	33.3	3.6V/3.6H	30	35	1.30 (17.7)

\* Type Approved to draft ETS300631, Fig 5.

## 1.427 - 1.535 GHz

	Type Number	Diameter ft (m)	Input Flanges	Regulatory Compliance*	Bottom	Gain, dBi Mid-Band	Top	Beamwidth Degrees	Cross Pol. Disc., dB	F/B Ratio dB	VSWR max. (R.L., dB)
<b>FP Focal Plane Antennas</b>											
Unpressurized	<b>FP4F-15E</b>	4 (1.2)	<b>"F" Flange</b>	*	21.4	22.0	22.5	12.1	30	38	1.3 (17.7)
Single	<b>FP6F-15E</b>	6 (1.8)	<b>Female</b>	*	25.7	25.8	25.9	8.0	30	41	1.3 (17.7)
Polarized	<b>FP8F-15E</b>	8 (2.4)		*	28.9	29.1	29.4	6.1	30	46	1.3 (17.7)
	<b>FP10F-15D</b>	10 (3.0)		–	30.2	30.6	30.9	4.7	26	38	1.3 (17.7)
	<b>FP12F-15D</b>	12 (3.7)		–	31.3	31.8	32.2	4.2	26	40	1.3 (17.7)
<b>P Standard Antennas</b>											
Air Dielectric	<b>P4-15C</b>	4 (1.2)	<b>7/8" EIA</b>	–	22.6	23.0	23.3	11.6	30	30	1.15 (23.1)
Single	<b>P6-15C</b>	6 (1.8)		–	26.1	26.5	26.8	7.8	30	32	1.10 (26.4)
Polarized	<b>P8-15C</b>	8 (2.4)		–	28.6	29.0	29.3	5.8	30	34	1.10 (26.4)
	<b>P10-15C</b>	10 (3.0)		–	30.6	31.0	31.3	4.7	30	36	1.10 (26.4)
Unpressurized	<b>P4F-15E</b>	4 (1.2)	<b>"F" Flange</b>	–	22.6	23.0	23.3	11.6	30	30	1.3 (17.7)
Single	<b>P6F-15D</b>	6 (1.8)	<b>Female</b>	–	26.1	26.5	26.8	7.8	30	32	1.3 (17.7)
Polarized	<b>P8F-15D</b>	8 (2.4)		–	28.6	29.0	29.3	5.8	30	34	1.3 (17.7)
	<b>P10F-15D</b>	10 (3.0)		–	30.6	31.0	31.3	4.7	30	36	1.3 (17.7)

\*Approved by U.K. Radio Communications Agency to MPT 1404, Annex 3.