



**12.2 - 12.7 GHz**

**Antenna Inputs.** All antenna VSWR values are specified with PDR flange. Other optional flanges may result in equal or slightly higher VSWR. Contact Andrew for details.



**Pressurization.** Feeds are pressurizable to 10 lb/in<sup>2</sup> (70 kPa). **ValuLine® Antennas.** See page 127.

Type Number	Diameter ft (m)	RPE Number(s)	Regulatory Compliance					Gain, dBi	Beamwidth Degrees	Cross Pol. Disc., dB	F/B Ratio dB	VSWR max. (R.L., dB)		
			U.S. FCC			ETSI Class	ETSI Gain							
			101	74	78			Low	Mid-Band	Top				
<b>HPX</b>  <b>High Performance Antennas – Dual Polarized</b> <b>Antenna Inputs:</b> WR75 cover/gasket and PDR120														
HPX6-122	6 (1.8)	3285	A	–	A	2	2	44.6	44.8	45.0	0.9	30	68	1.10 (26.4)
HPX8-122	8 (2.4)	3232	A	–	A	2	2	47.1	47.3	47.5	0.7	30	70	1.10 (26.4)
HPX10-122	10 (3.0)	3233	A	–	A	2	2	48.4	48.5	48.7	0.6	25	71	1.10 (26.4)
HPX12-122	12 (3.7)	3234	A	–	A	–	–	50.5	50.6	50.8	0.5	25	71	1.10 (26.4)
<b>PX</b>  <b>Standard Antennas – Dual Polarized</b> <b>Antenna Inputs:</b> WR75 cover/gasket and PDR120														
PX4-122	4 (1.2)	3211	B	–	B	1	2	40.5	40.7	40.9	1.4	25	52	1.10 (26.4)
PX6-122	6 (1.8)	3213	A	–	A	–	–	44.6	44.8	45.0	0.9	25	51	1.10 (26.4)
PX8-122	8 (2.4)	3215	A	–	A	–	–	47.1	47.3	47.5	0.7	30	54	1.10 (26.4)
PX10-122	10 (3.0)	3217	A	–	A	–	–	48.4	48.5	48.7	0.6	30	57	1.10 (26.4)
PX12-122	12 (3.7)	3219	A	–	A	–	–	50.5	50.6	50.8	0.5	25	58	1.10 (26.4)

**12.2 - 13.25 GHz**

**Antenna Inputs.** All antenna VSWR values are specified with PDR flange. Other optional flanges may result in equal or slightly higher VSWR. Contact Andrew for details.

**Pressurization.** Feeds are pressurizable to 10 lb/in<sup>2</sup> (70 kPa). **ValuLine® Antennas.** See page 127.



Type Number	Diameter ft (m)	RPE Number(s)	Regulatory Compliance					Gain, dBi	Beamwidth Degrees	Cross Pol. Disc., dB	F/B Ratio dB	VSWR max. (R.L., dB)		
			U.S. FCC			ETSI Class	ETSI Gain							
			101	74	78			Low	Mid-Band	Top				
<b>HP</b>  <b>High Performance Antennas – Single Polarized</b> <b>Antenna Inputs:</b> WR75 cover/gasket and PDR120														
HP6-122	6 (1.8)	3284	A	–	A	2	2	44.7	45.1	45.4	0.9	30	70	1.08 (28.3)
HP8-122	8 (2.4)	3228	A	–	A	2	2	47.2	47.6	47.9	0.7	30	70	1.08 (28.3)
HP10-122	10 (3.0)	3270	A	–	A	2	2	48.4	48.8	49.1	0.6	28	71	1.08 (28.3)
HP12-122	12 (3.7)	3272	A	–	A	2	2	50.6	50.9	51.2	0.5	30	71	1.08 (28.3)
<b>P</b>  <b>Standard Antennas – Single Polarized</b> <b>Antenna Inputs:</b> WR75 cover/gasket and PDR120														
P2-122	2 (0.6)	3216	–	–	–	–	–	35.1	35.5	35.8	2.8	25	42	1.10 (26.4)
P4-122	4 (1.2)	3204	B	–	B	–	–	41.2	41.5	41.9	1.4	30	49	1.10 (26.4)
P6-122	6 (1.8)	1277	A	–	A	1	2	44.7	45.1	45.4	0.9	30	55	1.08 (28.3)
P8-122	8 (2.4)	1286	A	–	A	1	2	47.2	47.6	47.9	0.7	30	59	1.08 (28.3)
P10-122	10 (3.0)	1288	A	–	A	1	2	48.4	48.8	49.1	0.6	26	60	1.08 (28.3)
P12-122	12 (3.7)	4271	A	–	A	1	2	50.6	50.9	51.2	0.5	30	58	1.08 (28.3)

**12.7 - 13.25 GHz\***

**Antenna Inputs.** All antenna VSWR values are specified with PDR flange. Other optional flanges may result in equal or slightly higher VSWR. Contact Andrew for details.

**Pressurization.** Feeds are pressurizable to 10 lb/in<sup>2</sup> (70 kPa).

**ValuLine® Antennas.** See page 127.

Type Number	Diameter ft (m)	RPE Number(s)	Regulatory Compliance					Gain, dBi	Beamwidth Degrees	Cross Pol. Disc., dB	F/B Ratio dB	VSWR max. (R.L., dB)		
			U.S. FCC			ETSI Class	ETSI Gain							
			101	74	78			Low	Mid-Band	Top				
<b>UHX</b>  <b>Ultra High Performance Antennas – Dual Polarized</b> <b>Antenna Inputs:</b> WR75 cover/gasket and PDR120														
UHX8-127	8 (2.4)	1255 1256	A	A	A	3	2	47.5	47.6	47.8	0.7	32	80	1.10 (26.4)
UHX10-127	10 (3.0)	1258 1259	A	A	A	3	2	48.7	48.8	49.0	0.6	30	82	1.10 (26.4)
<b>HPX</b>  <b>High Performance Antennas – Dual Polarized</b> <b>Antenna Inputs:</b> WR75 cover/gasket and PDR120														
HPX6-127	6 (1.8)	3296	B	B	B	2	2	45.0	45.1	45.3	0.9	30	68	1.10 (26.4)
HPX8-127	8 (2.4)	3278	A	A	A	2	2	47.5	47.6	47.8	0.7	30	70	1.10 (26.4)
HPX10-127	10 (3.0)	3279	A	A	A	2	2	48.7	48.8	49.0	0.6	25	71	1.10 (26.4)
HPX12-127	12 (3.7)	3281	A	A	A	–	–	50.8	50.9	51.1	0.5	25	72	1.10 (26.4)

Reference ETSI Document EN300833 for 3 to 60 GHz

\*Multiband antennas are available in this frequency band. See page 94.

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Terrestrial Microwave Antenna System Products



Terrestrial Microwave Antenna System Products



**12.7 - 13.25 GHz\***

**Antenna Inputs.** All antenna VSWR values are specified with PDR flange. Other optional flanges may result in equal or slightly higher VSWR. Contact Andrew for details.  
**Pressurization.** Feeds are pressurizable to 10 lb/in<sup>2</sup> (70 kPa). **ValuLine® Antennas.** See page 127.

Type Number	Diameter ft (m)	RPE Number(s)	Regulatory Compliance					Gain, dBi	Beamwidth Degrees	Cross Pol. Disc., dB	F/B Ratio dB	VSWR max. (R.L., dB)		
			101	U.S. FCC 74	78	ETSI Class	ETSI Gain							
<b>PX</b>		<b>Standard Antennas – Dual Polarized</b> Antenna Inputs: WR75 cover/gasket and PDR120												
PX4-127	4 (1.2)	3220	B	B	B	1	2	40.9	41.0	41.2	1.4	25	52	1.10 (26.4)
PX6-127	6 (1.8)	3221	A	A	A	-	-	45.0	45.1	45.3	0.9	25	52	1.10 (26.4)
PX8-127	8 (2.4)	3223	A	A	A	-	-	47.5	47.6	47.8	0.7	30	54	1.10 (26.4)
PX10-127	10 (3.0)	3225	A	A	A	-	-	48.7	48.8	49.0	0.6	30	57	1.10 (26.4)
PX12-127	12 (3.7)	3226	A	A	A	-	-	50.8	50.9	51.1	0.5	25	58	1.10 (26.4)


**12.75 - 13.25 GHz\***

**Antenna Inputs.** All antenna VSWR values are specified with PDR flange. Other optional flanges may result in equal or slightly higher VSWR. Contact Andrew for details.  
**Pressurization.** Feeds are pressurizable to 10 lb/in<sup>2</sup> (70 kPa).  
**ValuLine® Antennas.** See page 127.

Type Number	Diameter ft (m)	RPE Number(s)	Regulatory Compliance					Gain, dBi	Beamwidth Degrees	Cross Pol. Disc., dB	F/B Ratio dB	VSWR max. (R.L., dB)		
			101	U.S. FCC 74	78	ETSI Class	ETSI Gain							
<b>HSX</b>		<b>High Performance Antennas- Super High Cross Polarization Discrimination – Dual Polarized</b> Antenna Input: PDR120												
HSX4-130	4 (1.2)	2490 2492	B	B	B	3	2	41.4	41.6	41.8	1.6	40	68	1.10 (26.4)
HSX6-130	6 (1.8)	2099 2100	A	A	A	3	2	44.9	45.1	45.3	0.9	40	75	1.10 (26.4)
HSX8-130	8 (2.4)	2513 2515	A	A	A	3	2	47.4	47.6	47.8	0.7	40	76	1.10 (26.4)
HSX10-130	10 (3.0)	2566 2568	A	A	A	3	2	48.7	48.8	49.0	0.6	40	76	1.10 (26.4)
<b>HPX HP</b>		<b>High Performance Antennas – Dual Polarized</b> Antenna Inputs: WR75 cover/gasket and PDR120												
HPX4-130	4 (1.2)	1254	A	A	A	3	2	40.9	41.0	41.1	1.3	28	66	1.10 (26.4)
HPX6-130	6 (1.8)	3288	A	A	A	2	2	45.0	45.1	45.2	0.9	28	68	1.10 (26.4)
HPX8-130	8 (2.4)	1033	A	A	A	3	2	47.6	47.7	47.8	0.7	32	74	1.10 (26.4)
		<b>High Performance Antennas – Single Polarized</b> Antenna Inputs: WR75 cover/gasket and PDR120												
HP4-130	4 (1.2)	1252	A	A	A	3	2	40.9	41.0	41.1	1.3	28	68	1.10 (26.4)
HP6-130	6 (1.8)	3286	A	A	A	2	2	45.1	45.2	45.3	0.9	28	70	1.08 (28.3)
HP8-130	8 (2.4)	3289	A	A	A	2	2	47.6	47.7	47.8	0.7	28	71	1.08 (28.3)

**14.25 - 14.5 GHz**

**Antenna Inputs.** All antenna VSWR values are specified with PDR flange. Other optional flanges may result in equal or slightly higher VSWR. Contact Andrew for details.  
**Pressurization.** Feeds are pressurizable to 10 lb/in<sup>2</sup> (70 kPa).  
**ValuLine® Antennas.** See page 127.

Type Number	Diameter ft (m)	RPE Number(s)	Regulatory Compliance					Gain, dBi	Beamwidth Degrees	Cross Pol. Disc., dB	F/B Ratio dB	VSWR max. (R.L., dB)		
			101	U.S. FCC 74	78	ETSI Class	ETSI Gain							
<b>HSX</b>		<b>High Performance Antennas – Dual Polarized</b> Antenna Input: PDR140												
HSX4-142	4 (1.2)	1010 1012	-	-	-	-	-	42.5	42.6	42.7	1.2	40	68	1.10 (26.4)
HSX6-142	6 (1.8)	1014 1016	-	-	-	-	-	45.9	46.0	46.1	0.8	40	75	1.10 (26.4)
HSX8-142	8 (2.4)	1018 1020	-	-	-	-	-	48.4	48.5	48.6	0.6	40	76	1.10 (26.4)
HSX10-142	10 (3.0)	1202 1204	-	-	-	-	-	50.1	50.2	50.3	0.5	40	76	1.10 (26.4)

Reference ETSI Document EN300833 for 3 to 60 GHz  
 \* Multiband antennas are available in this frequency band. See page 94.

