







7.425 - 7.900 GHz

Antenna Inputs. All antenna VSWR values are specified with CPR and PDR flanges. Other optional flanges may result in equal or slightly higher VSWR. Contact Andrew for details.
Pressurization. Feeds are pressurizable to 10 lb/in² (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 101	U.S. FCC 74	U.S. FCC 78	ETSI Class	ETSI Gain							
HSX  High Performance Antennas - Super High Cross Polarization Discrimination - Dual Polarized Antenna Inputs: CPR112G and PDR84														
HSX4-74	4 (1.2)	2157 2156	-	-	-	3	2	36.7	37.0	37.3	2.3	40	64	1.08 (28.3)
HSX6-74	6 (1.8)	1860 1864	-	-	-	3	2	40.3	40.6	40.9	1.5	40	67	1.08 (28.3)
HSX8-74	8 (2.4)	1865 1866	-	-	-	3	2	42.6	42.9	43.2	1.1	40	74	1.06 (30.7)
HSX10-74	10 (3.0)	1913 1912	-	-	-	3	2	44.0	44.3	44.6	0.9	40	75	1.06 (30.7)
HSX12-74	12 (3.7)	1914 1916	-	-	-	3	2	46.5	46.8	47.0	0.8	40	78	1.06 (30.7)
HSX15-74	15 (4.6)	1918 1920	-	-	-	3	2	48.0	48.3	48.6	0.6	40	78	1.06 (30.7)
HPX HP  High Performance Antennas - Dual Polarized Antenna Inputs: CPR112G and PDR84														
HPX4-74	4 (1.2)	3712	-	-	-	3	2	37.1	37.4	37.6	2.5	32	63	1.10 (26.4)
HPX6-74	6 (1.8)	3697	-	-	-	3	2	40.5	40.8	41.1	1.5	32	67	1.06 (30.7)
HPX8-74	8 (2.4)	3699	-	-	-	3	2	42.9	43.1	43.4	1.2	32	70	1.06 (30.7)
HPX10-74	10 (3.0)	3695	-	-	-	2	2	44.3	44.7	45.0	1.1	30	68	1.06 (30.7)
High Performance Antennas - Single Polarized Antenna Inputs: CPR112G and PDR84														
HP4-74	4 (1.2)	4112	-	-	-	2	2	36.5	36.7	37.0	2.3	32	61	1.06 (30.7)
HP6-74	6 (1.8)	3691	-	-	-	2	2	40.1	40.4	40.6	1.5	32	64	1.06 (30.7)
HP8-74	8 (2.4)	3694	-	-	-	2	2	42.5	42.8	43.0	1.2	32	70	1.04 (34.2)
HP10-74	10 (3.0)	2792	-	-	-	1	2	43.8	44.0	44.2	1.0	32	70	1.04 (34.2)

7.725 - 8.275 GHz*

Antenna Inputs. All antenna VSWR values are specified with CPR and PDR flanges. Other optional flanges may result in equal or slightly higher VSWR. Contact Andrew for details.
Pressurization. Feeds are pressurizable to 10 lb/in² (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 101	U.S. FCC 74	U.S. FCC 78	ETSI Class	ETSI Gain							
UHX  Ultra High Performance Antennas - Dual Polarized Antenna Inputs: CPR112G and PDR84														
UHX6-77	6 (1.8)	2874 2875	-	-	-	3	2	40.5	41.0	41.2	1.5	30	67	1.06 (30.7)
UHX8-77	8 (2.4)	2833 2834	-	-	-	2	2	43.1	43.5	43.7	1.1	30	68	1.06 (30.7)
UHX10-77	10 (3.0)	2835 2836	-	-	-	2	2	44.9	45.2	45.4	0.9	30	70	1.06 (30.7)
UHX12-77	12 (3.7)	2838 2837	-	-	-	3	2	46.4	46.7	46.9	0.7	30	75	1.06 (30.7)
UHX15-77	15 (4.6)	2839 2840	-	-	-	2	2	48.4	48.7	48.9	0.6	30	70	1.06 (30.7)
HSX  High Performance Antennas - Super High Cross Polarization Discrimination - Dual Polarized Antenna Inputs: CPR112G and PDR84														
HSX4-77	4 (1.2)	2588 2589	-	-	-	3	2	37.0	37.2	37.5	2.3	40	64	1.08 (28.3)
HSX6-77	6 (1.8)	1922 1924	-	-	-	3	2	40.7	41.0	41.4	1.5	40	67	1.06 (30.7)
HSX8-77	8 (2.4)	1929 1930	-	-	-	3	2	43.2	43.5	43.8	1.1	40	77	1.06 (30.7)
HSX10-77	10 (3.0)	1966 1967	-	-	-	3	2	44.8	45.2	45.6	0.9	40	79	1.06 (30.7)
HSX12-77	12 (3.7)	1968 1969	-	-	-	3	2	46.4	46.7	47.0	0.7	40	79	1.06 (30.7)
HSX15-77	15 (4.6)	1960 1962	-	-	-	-	-	48.3	48.6	48.8	0.6	40	76	1.06 (30.7)

Reference ETSI Document EN300833 for 3 to 60 GHz
 *Multiband antennas are available in this frequency band. See pages 93-94.

Continued on next page








7.725 - 8.275 GHz*

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

Pressurization. Feeds are pressurizable to 8 lb/in² (56 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)
								Low	Mid-Band	Top				
HPX		High Performance Antennas – Dual Polarized Antenna Inputs: CPR112G and PDR84												
HPX6-77*	6 (1.8)	552-2	-	-	A	-	-	40.5	40.8	41.1	1.5	33	66	1.07 (29.4)
HPX8-77*	8 (2.4)	553-2	-	-	A	-	-	43.2	43.5	43.8	1.1	33	68	1.06 (30.7)
HPX10-77*	10 (3.0)	554-4	-	-	A	-	-	44.9	45.2	45.5	0.9	33	70	1.06 (30.7)
HPX12-77*	12 (3.7)	555-4	-	-	A	-	-	46.4	46.7	47.0	0.7	33	72	1.06 (30.7)
PXL		Standard Antennas – Dual Polarized Low VSWR Antenna Inputs: CPR112G and PDR84												
PXL6-77**	6 (1.8)	657-2	-	-	B	-	-	40.3	40.6	40.9	1.5	33	48	1.07 (29.4)
PXL8-77**	8 (2.4)	658-2	-	-	B	-	-	42.8	43.1	43.4	1.1	33	50	1.06 (30.7)
PXL10-77**	10 (3.0)	659-2	-	-	B	-	-	44.7	45.0	45.3	0.9	33	54	1.06 (30.7)
PXL12-77**	12 (3.7)	660-2	-	-	B	-	-	46.6	46.9	47.2	0.7	33	63	1.06 (30.7)
LBX		Low Back Lobe Antennas – Dual Polarized Antenna Inputs: CPR112G and PDR84												
LBX6-77**	6 (1.8)	559-2	-	-	B	-	-	40.3	40.8	41.1	1.5	33	56	1.07 (29.4)
LBX8-77**	8 (2.4)	560-2	-	-	B	-	-	42.8	43.1	43.4	1.1	33	60	1.06 (30.7)
LBX10-77**	10 (3.0)	561-4	-	-	B	-	-	44.9	45.2	45.5	0.9	33	66	1.06 (30.7)
LBX12-77**	12 (3.7)	562-2	-	-	B	-	-	46.4	46.7	47.0	0.7	33	67	1.06 (30.7)

Reference ETSI Document EN300833 for 3 to 60 GHz

*Multiband antennas are available in this frequency band. See pages 93-94.

**8 lb/in² (56 kPa) maximum

***ANATEL Brazilian Telecommunications Agency, Regulation 1286 Category

Terrestrial Microwave Antenna System Products