


4.4 - 5.0 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) except LBX 5 lb/in² (35 kPa).



Terrestrial Microwave Antenna System Products

Type Number	Diameter ft (m)	RPE Number(s)	Regulatory Compliance						Gain, dBi Mid-Band Top	Beamwidth Degrees	Cross Pol. Disc., dB	F/B Ratio dB	VSWR max. (R.L., dB)
			U.S. FCC 101	74	78	ETSI Class	ETSI Gain	Low					

HSX  **High Performance Antennas – Super High Cross Polarization Discrimination**
Antenna Inputs: CPR187G and PDR48

HSX6-44	6 (1.8)	2398 2400	–	–	–	3	2	35.7	36.3	36.8	2.6	40	68	1.06 (30.7)
HSX8-44	8 (2.4)	2406 2404	–	–	–	3	2	38.2	38.8	39.3	1.9	40	70	1.06 (30.7)
HSX10-44	10 (3.0)	2410 2412	–	–	–	3	2	40.0	40.6	41.1	1.5	40	71	1.06 (30.7)
HSX12-44	12 (3.7)	2414 2416	–	–	–	3	2	41.7	42.2	42.8	1.2	40	74	1.06 (30.7)
HSX15-44	15 (4.6)	2420 2418	–	–	–	3	2	43.7	44.3	44.8	1.0	40	75	1.06 (30.7)

HPX HP  **High Performance Antennas – Dual Polarized**
Antenna Inputs: CPR187G, PDR48, and UG-148C/U

HPX6-44	6 (1.8)	2558	–	–	–	2	2	35.8	36.3	36.8	2.5	30	60	1.06 (30.7)
HPX8-44	8 (2.4)	2544	–	–	–	–	–	38.6	39.1	39.7	1.8	30	64	1.06 (30.7)
HPX10-44	10 (3.0)	2546	–	–	–	2	2	39.8	40.3	40.9	1.5	30	66	1.06 (30.7)
HPX12-44	12 (3.7)	2548	–	–	–	2	2	41.9	42.5	43.0	1.2	30	67	1.06 (30.7)

High Performance Antennas – Single Polarized
Antenna Inputs: CPR187G, PDR48, and UG-148C/U

HP4-44	4 (1.2)	2523	–	–	–	2	2	30.0	32.6	33.1	3.8	30	56	1.10 (26.4)
HP6-44	6 (1.8)	2524	–	–	–	2	2	36.0	36.6	37.1	2.5	30	62	1.06 (30.7)
HP8-44	8 (2.4)	2527	–	–	–	2	2	38.7	39.3	39.8	1.8	30	65	1.06 (30.7)
HP10-44	10 (3.0)	2528	–	–	–	2	2	40.4	41.0	41.5	1.5	30	67	1.06 (30.7)
HP12-44	12 (3.7)	2540	–	–	–	2	2	42.1	42.7	43.2	1.2	30	67	1.06 (30.7)
HP15-44	15 (4.6)	2530	–	–	–	2	2	44.0	44.5	45.0	1.0	30	68	1.06 (30.7)

PXL PL  **Standard Antennas – Dual Polarized**
Antenna Inputs: CPR187G, PDR48, and UG-148C/U

PXL4-44	4 (1.2)	2495	–	–	–	–	–	32.3	32.7	33.1	3.7	30	40	1.08 (28.3)
PXL6-44	6 (1.8)	2496	–	–	–	–	–	35.9	36.4	36.9	2.5	30	43	1.06 (30.7)
PXL8-44	8 (2.4)	2497	–	–	–	–	–	38.6	39.2	39.7	1.8	30	45	1.06 (30.7)
PXL10-44	10 (3.0)	2498	–	–	–	1	2	40.3	40.9	41.2	1.5	30	50	1.06 (30.7)
PXL12-44	12 (3.7)	2499	–	–	–	1	2	42.0	42.6	43.1	1.2	30	51	1.06 (30.7)

Standard Antennas – Single Polarized
Antenna Inputs: CPR187G, PDR48, and UG-148C/U

PL4-44	4 (1.2)	2551	–	–	–	–	–	32.4	33.0	33.5	3.7	30	40	1.08 (28.3)
PL6-44	6 (1.8)	2552	–	–	–	1	2	36.0	36.6	37.1	2.5	30	44	1.06 (30.7)
PL8-44	8 (2.4)	2553	–	–	–	–	–	38.7	39.3	39.8	1.8	30	45	1.06 (30.7)
PL10-44	10 (3.0)	2554	–	–	–	1	2	40.4	41.0	41.5	1.5	30	49	1.06 (30.7)
PL12-44	12 (3.7)	2556	–	–	–	–	–	42.1	42.7	43.2	1.2	30	50	1.06 (30.7)
PL15-44	15 (4.6)	2557	–	–	–	–	–	44.0	44.5	45.0	1.0	29	51	1.06 (30.7)

LBX  **Low Back Lobe Antennas – Dual Polarized**
Antenna Input: CPR187G

Regulatory Compliance***

LBX6-44**	6 (1.8)	4636				B		35.8	36.4	36.9	2.5	33	52	1.09 (27.3)
LBX8-44**	8 (2.4)	4637				B		38.6	39.2	39.7	1.8	33	56	1.08 (28.3)
LBX10-44**	10 (3.0)	4638				B		40.1	40.7	41.2	1.5	33	62	1.08 (28.3)
LBX12-44**	12 (3.7)	4639				B		42.0	42.6	43.1	1.2	33	64	1.08 (28.3)

Reference ETSI Document EN300833 for 3 to 60 GHz.

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

**5 lb/in² (35 kPa) maximum

***ANATEL Brazilian Telecommunications Agency, Regulation 1286 Category