





3.7 - 4.2 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 5 lb/in² (35 kPa).

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	74	78	Class	ETSI Gain						ETSI Low	
UHX  Ultra High Performance Antennas Antenna Inputs: CPR229G and PDR40														
UHX8-37**	8 (2.4)	1433 1434	A	-	-	3	2	36.8	37.4	37.6	2.4	33	66	1.06 (30.7)
UHX10-37**	10 (3.0)	1436 1435	A	-	-	3	2	38.5	39.1	39.5	1.8	33	67	1.06 (30.7)
UHX12-37**	12 (3.7)	1437 1438	A	-	-	3	2	40.4	41.0	41.2	1.5	33	73	1.06 (30.7)
UHX15-37**	15 (4.6)	1439 1440	A	-	-	3	2	42.1	42.7	43.1	1.2	33	73	1.06 (30.7)
PXL PL  Standard Antennas – Dual Polarized Antenna Inputs: CPR229G and PDR40														
PXL10-37**	10 (3.0)	2411	B	-	-	-	-	38.7	39.3	39.8	1.8	30	45	1.06 (30.7)
PXL12-37**	12 (3.7)	2413	B	-	-	1	2	40.4	41.0	41.1	1.5	30	48	1.06 (30.7)
PXL15-37**	15 (4.6)	2415	B	-	-	-	-	42.1	42.7	43.0	1.2	30	52	1.06 (30.7)
Standard Antennas – Single Polarized Antenna Inputs: CPR229G and PDR40														
PL6-37**	6 (1.8)	2402	-	-	-	-	-	34.5	35.0	35.5	3.0	30	40	1.07 (29.4)
PL8-37**	8 (2.4)	2403	-	-	-	-	-	36.7	37.3	37.8	2.4	30	42	1.06 (30.7)
PL10-37**	10 (3.0)	2405	B	-	-	-	-	38.7	39.3	39.8	1.8	30	47	1.06 (30.7)
PL12-37**	12 (3.7)	2407	B	-	-	1	2	40.4	41.0	41.5	1.5	30	50	1.06 (30.7)
PL15-37**	15 (4.6)	2408	B	-	-	1	2	42.1	42.7	43.2	1.2	30	52	1.06 (30.7)

Reference ETSI Document EN300833 for 3 to 60 GHz.

*Multiband antennas are available in this frequency band. See page 93.

**5 lb/in² (35 kPa) maximum

Terrestrial Microwave Antenna System Products



Ordering Information for Waveguide Assemblies

Frequency GHz*	Waveguide Type	Flange Type††	Connector†		Pressure Window	Flex-Twist 2 ft (0.6 m)
			Tunable	Pre-Tuned		
Super Premium Waveguide Assemblies						VSWR 1.06 (30.7)**
3.7-4.2	EWP37S	CPR229G PDR40	137DET	-	55001-229 223306-40	F229PC0240CA
			137DEMT	-		F229PH0600HA
Premium Waveguide Assemblies						VSWR 1.08 (28.3)**
3.4-3.9	EWP37-34W***	CPR229G PDR40	137DET	-	55001-229 223306-40	F229PC0240CS
			-	137DEMP-3		F229MH0600HS
			137DET	137DEP-2		F229PC0240CA
3.54-4.2	EWP37-35	CPR229G PDR40	-	137DEMP-2	223306-40	F229MH0600HA
			137DET	137DEP-2		F229PC0240CA
3.52-4.2	EWP37-35W	CPR229G PDR40	137DET	137DEMP-2	55001-229 223306-40	F229PC0240CA
			-	137DEMP-2		F229MH0600HA
3.6-4.2	EWP37-36	CPR229G	137DET	-	55001-229	F229PC0240CA
			3.7-4.2	EWP37-37		CPR229G
Standard Waveguide Assemblies					Non-Tunable	VSWR 1.15 (23.1)**
3.4-4.2	EW37	CPR229G PDR40	137DE	-	55001-229 223306-40	F229PC0240CS
			137DEM	-		F229MH0600HS

* Contact Andrew for information on other frequency bands.

** VSWR max., (R.L. dB). The indicated maximum VSWR characteristics are guaranteed for factory assemblies and are typical for field assemblies.

*** VSWR 1.10 (26.4) † "Pre-tuned" connectors are for field attachment only. "Tunable" connectors ordered with factory assemblies are factory tuned.

†† For detailed information on mating flanges, refer to pages 214-218.

Accessories – Photos and detailed descriptions on pages 194-200

Description	Type No.	Description	Type No.	
Hangers and Adapters		Other Accessories		
Hanger Kit of 10, Recommended maximum spacing for outdoor installation is 4.5 ft (1.37 m)*	42396A-4	Flaring Tool Kit for connector attachment	205869	
Hardware Kit of 10, 3/8" bolts, lock washers, nuts 3/4" (19 mm) long	31769-5	Splice	134DZ	
1" (25 mm) long	31769-1	Grounding Kit with factory attached, one-hole lug	204989-5	
Angle Adapter Kit of 10. Stainless steel	31768A	Grounding Kit with factory attached, two-hole lug	241088-5	
Round Member Adapter Kit of 10. Stainless steel		Grounding Kit with field attachable crimp-on, one-hole lug	204989-25	
Member Diameter, in (mm)		Grounding Kit with field attachable crimp-on, two-hole lug	241088-10	
1-2 (25-50)	31670-1	Grounding Kit with field attachable screw-on lug	204989-35	
2-3 (50-75)	31670-2	Crimping Tool to field attach lug to Grounding Kit	207270	
3-4 (75-100)	31670-3	Hoisting Grip	31535	
4-5 (100-125)	31670-4	Bending Tool Kit . One each E and H Plane tool	33586-3	
5-6 (125-150)	31670-5	Connector Reattachment Kit	33544-24	
45° Adapter Kit of 10. Galvanized steel	42334	Wall-Roof Feed Thru	245314-37	
Threaded Rod Support , 3/8" rod, nuts, washers, ceiling bracket		Waveguide Boot for Plates (below),		
12 in (305 mm) long, kit of 1	31771	4 in (102 mm) dia.	WGB4-37	
12 in (305 mm) long, kit of 5	31771-4	5 in (127 mm) dia	WGB5-37	
24 in (610 mm) long, kit of 1	31771-9			
24 in (610 mm) long, kit of 5	31771-6			
Tower Standoff Kit of 10. 1 in (25 mm) standoff		Feed-Thru Plate for Boots (above)		
Member Diameter, in (mm)		Openings	For 4 in Boots	For 5 in Boots
0.75-1.5 (20-40)	30848-5	1	204673-1	48940-1
1.5-3.0 (40-75)	30848-4	1	204673-2	-
3-4 (75-100)	30848-1	2	-	48940-2
4-5 (100-125)	30848-2	3	-	48940-3
5-6 (125-150)	30848-3	4	204673-4	48940-4
Tower Standoff Kit of 10. 2.5 in (60 mm) standoff		6	-	48940-6
Member Diameter, in (mm)		8	204673-8	-
3-4 (75-100)	41108A-1			
4-5 (100-125)	41108A-2			
5-6 (125-150)	41108A-3			

* Standard conditions: 125 mph (200 km/h) survival wind velocity,
0.5 in (13 mm) radial ice. For other conditions see page 196.

