

Elite Antennas



Product Catalogue



Elite Antennas Ltd

Spun aluminium reflectors: 0.34m to 3.7m



Elite Antennas manufacture spun, prime-focus aluminium reflectors for commercial, military and research applications. We offer a range of reflector assemblies in popular sizes, as well as the capacity to tailor reflectors to the requirements of our customers. Our flexible build system allows prototyping and one-off work to be completed rapidly and economically, while allowing straightforward integration or subsequent engineering operations. Other benefits of spun reflectors include:

- High surface accuracy
- Great tolerance to extreme climates
- Excellent storage properties
- Easier, more efficient de-icing than composite designs
- Low weight with high inherent stiffness.

Our build system consists of three key parts: the reflector spinning, the mounting ring and the rim.

The reflector spinning is critical to the efficient operation of any reflector antenna, and is made to the smallest tolerances possible.



The mounting ring is made of rigid 6082 aluminium tube and has welded-in bosses.

The rim usually carries a stiffening ring spun into the edge of the reflector, but is available as a plain turned-back rim where weight is a concern.

Also available are a range of stiffening bars to fit to the rear of the reflector. These add rigidity and prevent flutter in high wind conditions. These are usually welded but may also be bolted in place to allow the fitting and repair of heater panels. Feed support structures, auxiliary mounting brackets and other relevant hardware may also be manufactured and fitted where required.





All our products are packaged according to the requirements of the customer. We build our own timber packaging for export worldwide, and we have full ISPM-15 certification as a builder of timber export packaging.

A full range of mounts, stands and A-frames are available for mounting complete antennas. Reflectors may be supplied either finished in white powdercoat, or unfinished. Full assemblies and component parts are available - please contact us for pricing and lead times.



1.8m x 755mm fl reinforced reflector

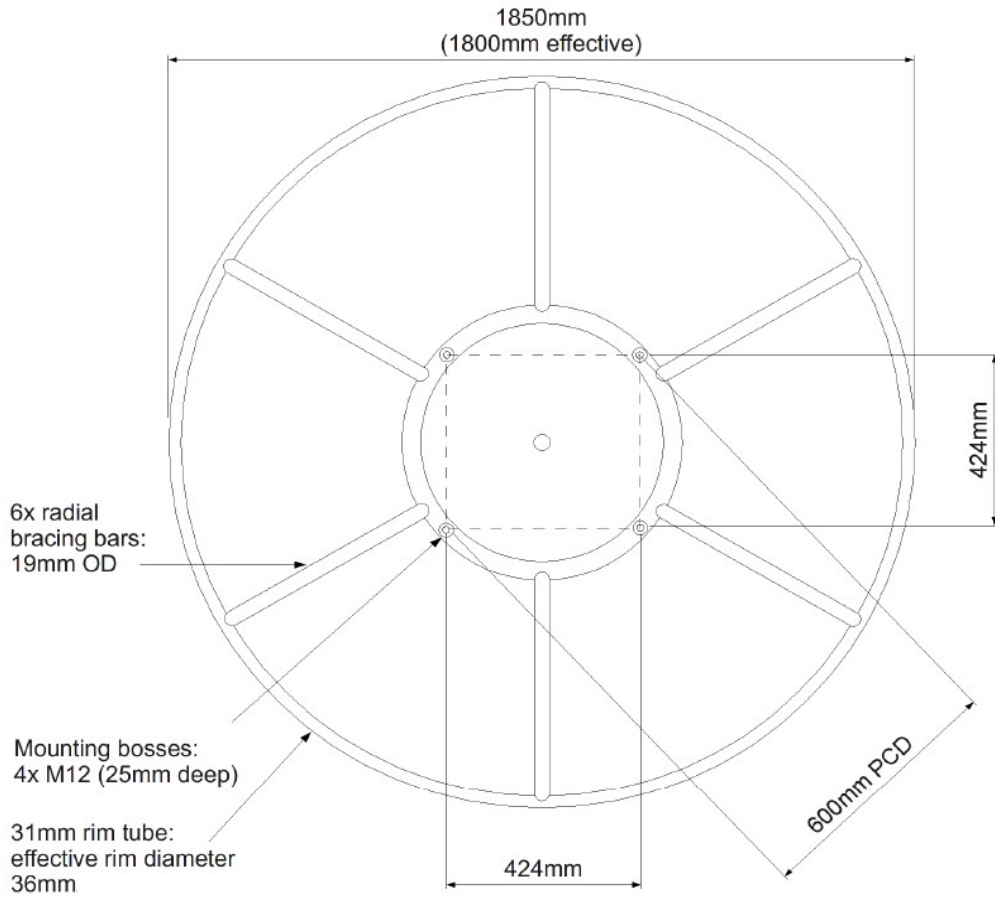


Featuring an oversized reinforcing rim, welded mounting bosses and radial bracing bars, this reflector is designed to cope with harsh conditions and high wind loadings. This reflector can be used as the basis of a high performance antenna for satellite communications, military or aerospace applications.

The reflector's working surface is spun from durable 1200 aluminium alloy and the reinforcing structure is fully welded for strength and durability. It is powdercoated to RAL 9010 matt white.

If variations on this item are required for your project, we will be happy to offer our design and engineering services. We offer a fast, flexible range of solutions to meet the vast majority of prime focus applications. Please contact us for a quote or a technical proposal.





Technical specification

Stock material	2.5mm 1200 aluminium alloy
Effective diameter	1800mm
Focal length	755mm
Maximum RMS surface error	0.4mm
Overall diameter	1850mm
Weight	27 kg
Reinforcement	6x 19mm radial bracing bars
Operational windspeed	100kph
Survival windspeed	180 kph
Temperature range	-30 - +50 Celsius
Mounting arrangement	3x M12 bosses on a 600mm PCD (424mm centres). Thread depth 25mm minimum
Finish	RAL 9010 matt white powdercoat



1.8m x 609.9fl Cassegrain Antenna

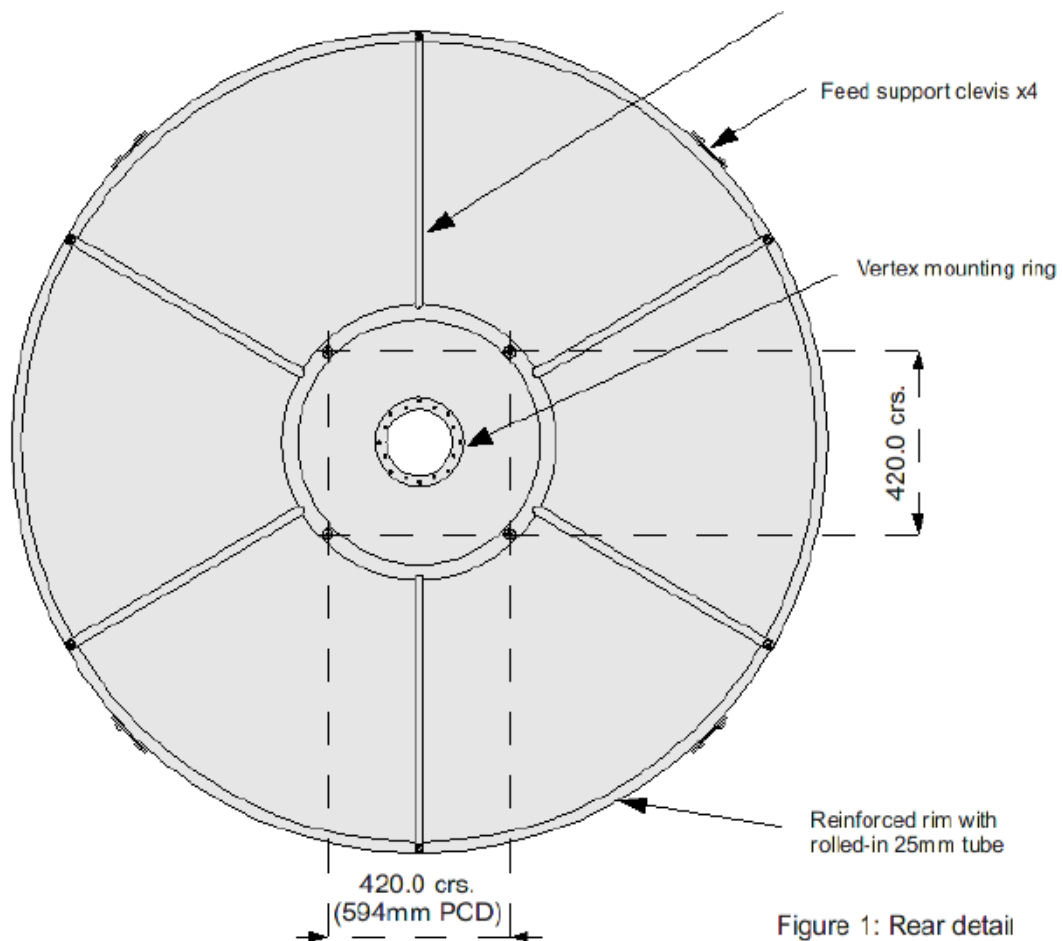
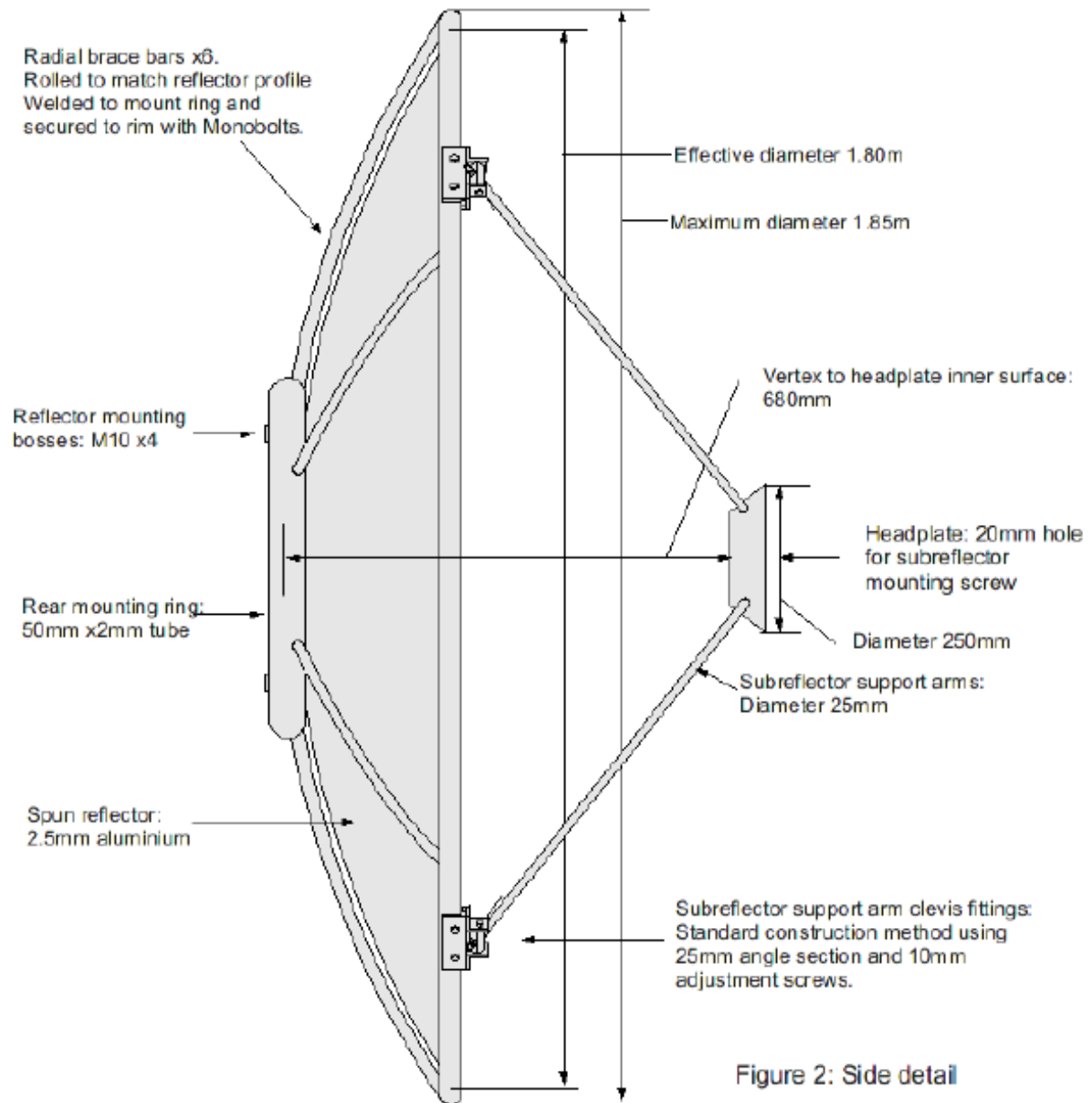


Figure 1: Rear detail

This high grade reflector antenna assembly features adjustable subreflector support arms, rugged construction and a durable finish. It is supplied flat packed for economical transport and can be assembled quickly on site.





The reflector spinning is stabilised and protected against high wind loadings by six radial brace bars fixed between the outer rim and the mount ring. The feed is secured to the reflector by a precision machined vertex mount.



Technical specification

Reflecting diameter	1.8m
Focal length	609.9mm
F/D	0.338
Overall diameter	1.845m
Subreflector support	25mm adjustable tubular arms, machined headplate
Bracing structure:	25mm radial brace tubes x6
reflector assembly weight:	25.5 kg
Total weight including subreflector support:	30kg
Reflector stock material	2.5mm 1050 aluminium
Form	Parabolic
Mounting arrangement:	4x M10 bosses, Helicoiled
Mount boss spacing:	equally spaced, 594mm PCD, 420mm between centres
Finish	Chromate-free pretreatment, powdercoated RAL9010
Packaging	Timber crate, ISPM-15 compliant for export
Pack quantity	Up to 5 antennas per case to customer requirement



ANTENNAS AND MOUNTS



Our standard reflector antennas and elevation-over-azimuth mounts are economical, durable and efficient. Our range of spinning tooling allows us to produce reflectors from 0.34m to 3.7m in a wide variety of configurations, and our flexible build systems allow rapid turnaround of small or specialised orders that composite moulding would not allow. Our spinnings will tolerate extreme weather and climatic conditions in service and storage. Our standard antenna range covers L to Ku bands, with other frequency ranges available on request.

Our mounts are made from galvanised steel, and we offer a range of fixing options (nonpenetrating, bolt-down or cast-in-place). our standard mount for 1.8m and smaller reflectors is shown above - 2.4m, 3m and 3.7m mounts are also available to order.

We can also supply A-frames where movable positioning is not required.

If variations on this item are required for your project, we will be happy to offer our design and engineering services. We offer a fast, flexible range of solutions to meet the vast majority of prime focus applications. Please contact us for a quote or a technical proposal, or to request more information.



Ku band receive only feeds



These Ku band feeds form the basis of some of our most popular antennas. Ideally suited to commercial receive-only operations, they are tough and long lasting. Unlike many feeds currently sold, these are machined from solid 6082 aluminium billet. No castings are used. Within the range, the Black Ku feeds are available with WG17 and C120 outputs. The Silver Ku feeds are available with WG17 outlets only, but are designed to fit into a combined headplate and shroud assembly, giving enhanced protection against environmental damage and vandalism. All feeds are protected from insect intrusion and environmental effects by a heat and UV resistant silicone aperture cap.

Stock feeds are anodised, however we can accommodate requirements for special finishes.

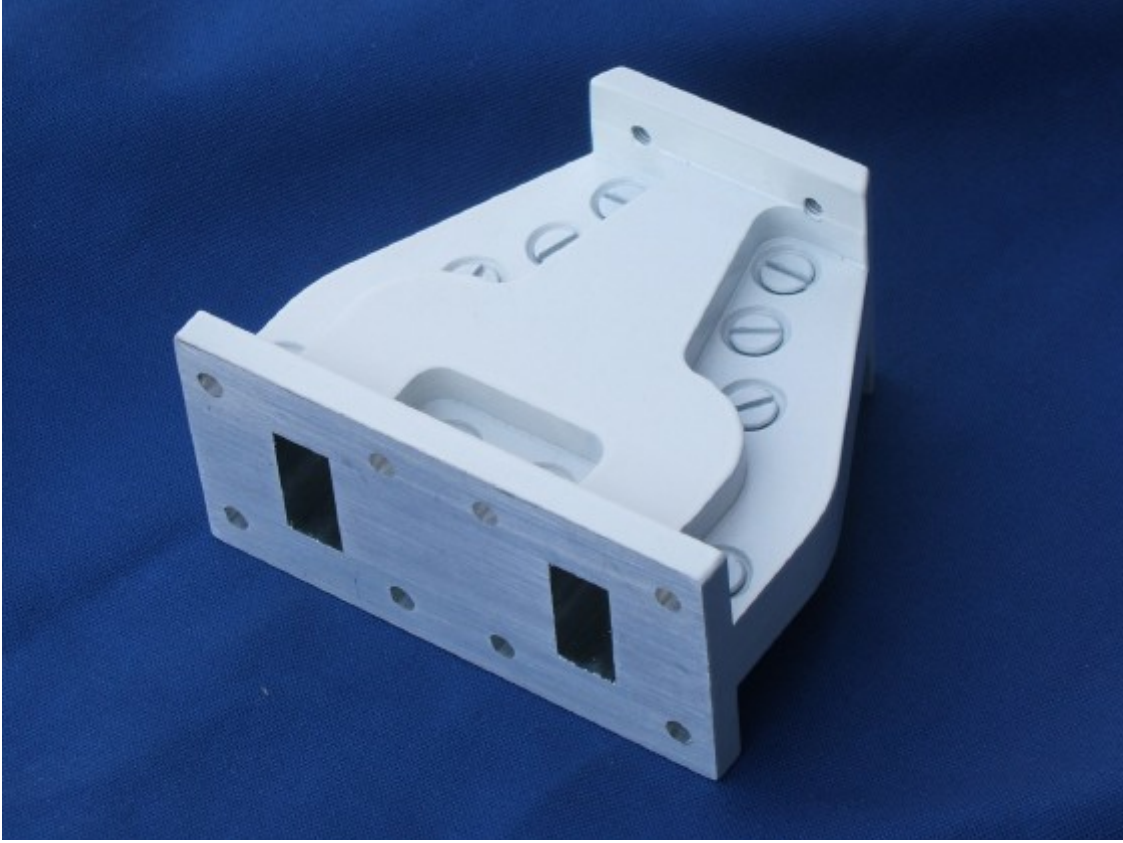


Technical specification

Stock material	6082 aluminium
Operating frequency	9.5-14ghz
Interface	Wg17 flange
Fixings	M4 or 8-32 UNC (clearance)
Performance: Return loss	7db at 10ghz 25db at 10.8ghz 22 db at 11.6 ghz 16 db at 12.4 ghz 13 db at 14 ghz
Finish	Clear anodised or black anodised



Ku band power divider



Our compact, rugged power divider is designed as an economical hot-standby solution for TVRO applications where reception continuity is essential. The divider simply fits to any feed with a standard WG17 flange and will accommodate two standard size LNBs side by side. As the divider is completely passive, with no moving parts or power requirement, it enables easy retrofitting to existing systems and minimises installation time. The device is fully machined from cast aluminium tooling plate for maximum stability and the finest possible internal finish.



Technical specification

Stock material	Aluminium tooling plate
Length (along feed axis)	75mm
Width(across feed axis)	85mm
Operating frequency	9.5-12.5ghz
Interface	Wg17 flanges
Fixings	M4 or 8-32 UNC, tapped at feed end, clearance at outputs
Power requirements	None
Weight	260g
Isolation between outputs	typically 8dB across operating range
Insertion loss - Input to output	Maximum 0.5dB (+3dB)
Finish	Powdercoat matt white.



PRODUCT NOMENCLATURE

E Type	P Feed configuration	R Tx/Rx	18 Diameter	KU Frequency & polarisation	E Mount
E= Earth station	P = Prime focus C = Cassegrain O = Offset	R = Receive only T = Tx/Rx	09 = 0.9Metre 12 = 1.2Metre 13 = 1.3Metre 14 = 1.4Metre 15 = 1.5Metre 18 = 1.8Metre 20 = 2.0Metre 22 = 2.2Metre 24 = 2.4Metre 28 = 2.8Metre 30 = 3.0Metre 37 = 3.7Metre	KU = Ku Band Linear Polarised KA = Ka Band Linear Polarised CL = C Band Linear Polarised CC = C Band Circular Polarised LC = L Band Circular Polarised	A = A Frame E = Manual El/Az P = Manual Polar M = Motorised El/Az N = Motorised Polar

Specifications in this catalogue are subject to change without notice



Ku BAND LINEAR RECEIVE ONLY ANTENNAS

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Frequency 10.70 to 12.75 GHz

Part Number	Dia met er	Focal Length mm	Fee d Typ e	Gain dB			Beam width degre es	Antenna Noise Deg Kelvin			Azimuth Range		Elevation Range		Wt Kg
				Low	Mid	High		@ 10 deg	@ 30 deg	@ 50 deg	Coar se deg	Fine deg	Coarse	Fine	

Manual Elevation and Azimuth Mount

EPR09KUE	0.9	337.5	PF	37.7	38.4	39.0	2.07	47	37	35	360	N/A	N/A	10-60	11
EPR12KUE	1.2	457.2	PF	40.4	41.7	41.7	1.40	48	38	36	360	N/A	N/A	10-60	24
EPR13KUE	1.3	457.2	PF	41.1	41.8	42.5	1.38	48	38	36	360	N/A	N/A	10-60	26
EPR15KUE	1.5	546.0	PF	42.4	43.1	43.7	1.20	49	39	37	360	+/-5	N/A	10-70	67
EPR18KUE	1.8	755.0	PF	44.1	44.7	45.3	1.03	50	40	38	360	+/-5	N/A	10-70	70
EPR20KUE	2.0	755.0	PF	44.9	45.7	46.3	0.93	51	41	38	360	+/-5	N/A	10-70	75
EPR22KUE	2.2	755.0	PF	45.6	46.3	46.9	0.79	51	41	38	360	+/-5	N/A	10-70	81
EPR24KUE	2.4	823.0	PF	46.1	46.8	47.4	0.77	52	42	40	360	+/-5	N/A	10-70	140
EPR28KUE	2.8	1207	PF	47.3	48.5	49.1	0.62	53	43	41	360	+/-5	N/A	0-46	234
EPR30KUE	3.0	1207	PF	48.4	49.1	49.7	0.60	54	44	42	360	+/-5	N/A	0-46	244
EPR37KUE	3.7	1207	PF	49.9	50.6	51.2	0.47	56	46	44	360	+/-5	N/A	5-35/25/50	495

Motorised Elevation and Azimuth Mount



EPR15KUM	1.5	546.0	PF	42.4	43.1	43.7	1.20	49	39	37	360	+/-35	N/A	0-55	87
EPR18KUM	1.8	755.0	PF	44.1	44.7	45.3	1.03	50	40	38	360	+/-35	N/A	0-55	90
EPR20KUM	2.0	755.0	PF	44.9	45.7	46.3	0.93	51	41	38	360	+/-35	N/A	0-55	95
EPR22KUM	2.2	755.0	PF	45.6	46.3	46.9	0.79	41	41	39	360	+/-35	N/A	0-55	101
EPR24KUM	2.4	823.0	PF	46.1	46.9	47.4	0.77	52	42	40	360	+/-50	N/A	12-51/21-60	293
EPR28KUM	2.8	1207	PF	47.3	47.4	49.1	0.62	53	43	41	360	+/-50	N/A	0-32/8-44	311
EPR30KUM	3.0	1207	PF	48.4	49.1	49.7	0.60	54	44	42	360	+/-50	N/A	0-32/8-44	321
EPR37KUM	3.7	1207	PF	49.9	50.6	51.2	0.47	56	46	44	360	+/-60	N/A	0-90	859
ECR30KUM	3.0	1207	C	48.4	49.1	49.7	0.60	54	44	42	360	+/-60	N/A	0-90	750
ECR37KUM	3.7	1207	C	49.9	50.6	51.2	0.47	56	46	44	360	+/-60	N/A	0-90	859



Ku BAND LINEAR RECEIVE ONLY ANTENNAS

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Frequency 10.70 to 12.75 GHz

Part Number	Dia met er	Focal Length mm	Fee d Typ e	Gain dB			Bea mwid th degre es	Antenna Noise Deg Kelvin			Azimuth Range		Elevation Range		Wt Kg
				Low	Mid	High		@ 10 deg	@ 30 deg	@ 50 deg	Coars e deg	Fine deg	Coarse	Fine	
Manual Polar Mount															
EPR09KU P	0.9	337. 5	PF	37. 7	38.4	39	2.0 7	47	37	35	N/A	50W- 60E	N/A	N/A	14
EPR12KU P	1.2	457. 2	PF	40. 4	41.7	41. 7	1.4 0	48	38	36	N/A	50W- 60E	N/A	N/A	23
EPR13KU P	1.3	457. 2	PF	41. 1	41.8	42. 5	1.3 8	48	38	36	N/A	50W- 60E	N/A	N/A	56
EPR15KU P	1.5	546. 0	PF	42. 4	43.1	43. 7	1.2 0	49	39	37	N/A	50W- 60E	N/A	N/A	62
EPR18KU P	1.8	755. 0	PF	44. 1	44.7	45. 3	1.0 3	50	40	38	N/A	50W- 60E	N/A	N/A	66
EPR20KU P	2.0	755. 0	PF	44. 9	45.7	46. 3	0.9 3	51	41	38	N/A	50W- 60E	N/A	N/A	71
EPR22KU P	2.2	755. 0	PF	45. 6	46.3	46. 9	0.7 9	51	41	38	N/A	50W- 60E	N/A	N/A	98
EPR24KU P	2.4	823. 0	PF	46. 1	46.8	47. 4	0.7 7	52	42	40	N/A	50W- 60E	N/A	N/A	11 6



A Frame Mount

EPR09KU A	0. 9	337. 5	PF	37. 7	38.4	39	2.0 7	47	37	35	36 0	+/-5	15 - 45	N/A	9
EPR12KU A	1. 2	457. 2	PF	40. 4	41.7	41. 7	1.4 0	48	38	36	36 0	+/-5	8 - 40	N/A	37
EPR13KU A	1. 3	457. 2	PF	41. 1	41.8	42. 5	1.3 8	48	38	36	36 0	+/-5	8 - 40	N/A	39
EPR15KU A	1. 5	546. 0	PF	42. 4	43.1	43. 7	1.2 0	49	39	37	36 0	+/-5	5 - 44	+/- 5	59
EPR18KU A	1. 8	755. 0	PF	44. 1	44.7	45. 3	1.0 3	50	40	38	36 0	+/-5	5 - 44	+/- 5	61
EPR20KU A	2. 0	755. 0	PF	44. 9	45.7	46. 3	0.9 3	51	41	38	36 0	+/-5	5 - 44	+/- 5	63
EPR22KU A	2. 2	755. 0	PF	45. 6	46.3	46. 9	0.7 9	41	41	39	36 0	+/-5	8 - 40	+/- 5	82
EPR24KU A	2. 4	823. 0	PF	46. 1	46.9	47. 4	0.7 7	52	42	40	36 0	+/-5	5 - 36	+/- 5	12 4
EPR28KU A	2. 8	1207	PF	47. 3	47.4	49. 1	0.6 2	53	43	41	36 0	+/-5	10 - 46	+/- 5	17 7
EPR30KU A	3. 0	1207	PF	48. 4	49.1	49. 7	0.6 0	54	44	42	36 0	+/-5	10 - 46	+/- 5	20 3
EPR37KU A	3. 7	1207	PF	49. 9	50.6	51. 2	0.4 7	56	46	44	36 0	+/-5	TBA	+/- 5	34 7

Feed configuration

Antenna colour

Antenna construction material

Mount construction material

Polar mount declination

PF=Prime Focus C=Cassegrain

Powdercoated White RAL 9010

Aluminium

Mild steel hot dipped galvanised

0-10 degrees



C BAND LINEAR RECEIVE ONLY ANTENNAS

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Frequency 3.7 to 4.2GHz

Part Number	Dia mete r	Focal Length mm	Fee d Typ e	Gain dB			Bea mwid th degre es	Antenna Noise Deg Kelvin			Azimuth Range		Elevation Range		Wt Kg
				Low	Mid	High		@ 10 deg	@ 30 deg	@ 50 deg	Coars e deg	Fine deg	Coars e	Fine	
Manual Elevation and Azimuth Mount															
EPR15CL E	1.5	546. 0	PF	32. 8	33.4	33. 9	3.5 2	40	31	2 9	360	+/-5	N/A	10-70	67
EPR18CL E	1.8	755. 0	PF	34. 9	35.5	36. 0	2.8 8	38	30	2 9	360	+/-5	N/A	10-70	70
EPR20CL E	2.0	755. 0	PF	35. 8	36.3	36. 8	2.6 0	37	30	2 8	360	+/-5	N/A	10-70	75
EPR22CL E	2.2	755. 0	PF	36. 5	37.1	37. 6	2.4 6	36	29	2 7	360	+/-5	N/A	10-70	81
EPR24CL E	2.4	823. 0	PF	37. 3	37.9	38. 4	2.2 6	35	27	2 6	360	+/-5	N/A	10-70	14 0
EPR28CL E	2.8	1207	PF	38. 6	39.2	39. 6	1.9 4	35	28	2 6	360	+/-5	N/A	0-46	23 4
EPR30CL E	3.0	1207	PF	39. 4	40.0	40. 5	1.7 6	35	27	2 6	360	+/-5	N/A	0-46	24 4
EPR37CL E	3.7	1207	PF	41. 1	41.7	42. 2	1.5 2	34	28	2 6	360	+/-5	N/A	5-35/25- 50	49 5



Motorised Elevation and Azimuth Mount

EPR15CL M	1.5	546.0	PF	32.8	33.4	33.9	3.52	40	31	29	360	+/-35	N/A	0-55	87
EPR18CL M	1.8	755.0	PF	34.9	35.5	36.0	2.88	38	30	29	360	+/-35	N/A	0-55	90
EPR20CL M	2.0	755.0	PF	35.8	36.3	36.8	2.60	37	30	28	360	+/-35	N/A	0-55	95
EPR22CL M	2.2	755.0	PF	36.5	37.1	37.6	2.46	36	29	27	360	+/-35	N/A	0-55	101
EPR24CL M	2.4	823.0	PF	37.3	37.9	38.4	2.26	35	27	26	360	+/-50	N/A	12-51/21-60	293
EPR28CL M	2.8	1207	PF	38.6	39.2	39.6	1.94	35	28	26	360	+/-50	N/A	0-32/8-44	311
EPR30CL M	3.0	1207	PF	39.4	40.0	40.5	1.76	35	27	26	360	+/-50	N/A	0-32/8-44	321
EPR37CL M	3.7	1207	PF	41.1	41.7	42.2	1.52	34	28	26	360	+/-60	N/A	0-90	859

Manual Polar Mount

EPR15CL P	1.5	546.0	PF	32.8	33.4	33.9	3.52	40	31	29	N/A	50W-60E	N/A	N/A	62
EPR18CL P	1.8	755.0	PF	34.9	35.5	36.0	2.88	38	30	29	N/A	50W-60E	N/A	N/A	66
EPR20CL P	2.0	755.0	PF	35.8	36.3	36.8	2.60	37	30	28	N/A	50W-60E	N/A	N/A	71
EPR22CL P	2.2	755.0	PF	36.5	37.1	37.6	2.46	36	29	27	N/A	50W-60E	N/A	N/A	98
EPR24CL P	2.4	823.0	PF	37.3	37.9	38.4	2.26	35	27	26	N/A	50W-60E	N/A	N/A	116



C BAND LINEAR RECEIVE ONLY ANTENNAS

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Frequency 3.7 to 4.2GHz

Part Number	Dia met er	Focal Length mm	Fee d Typ e	Gain dB			Beam width degre es	Antenna Noise Deg Kelvin			Azimuth Range		Elevation Range		Wt Kg
				Low	Mid	High		@ 10 deg	@ 30 deg	@ 50 deg	Coars e deg	Fine deg	Coarse	Fine	
A Frame Mount															
EPR15CL A	1.5	546.0	PF	32.8	33.4	33.9	3.52	40	31	29	360	+/-5	5-44	+/-5	59
EPR18CL A	1.8	755.0	PF	34.9	35.5	36.0	2.88	38	30	29	360	+/-5	5-44	+/-5	61
EPR20CL A	2.0	755.0	PF	35.8	36.4	36.8	2.60	37	30	28	360	+/-5	5-44	+/-5	63
EPR22CL A	2.2	755.0	PF	36.5	37.1	37.6	2.46	36	29	27	360	+/-5	8-40	+/-5	82
EPR24CL A	2.4	823.0	PF	37.3	37.9	38.4	2.26	35	27	26	360	+/-5	5-36	+/-5	12 4
EPR28CL A	2.8	1207	PF	38.6	39.2	39.6	1.94	35	28	26	360	+/-5	10- 46	+/-5	17 7
EPR30CL A	3.0	1207	PF	39.4	40.0	40.5	1.76	35	27	26	360	+/-5	10- 43	+/-5	20 3
EPR37CL A	3.7	1207	PF	41.1	41.7	42.2	1.52	34	28	26	360	+/-5	TBA	+/-5	34 7

Feed configuration

Antenna colour

Antenna construction material

Mount construction material

Polar mount declination

PF=Prime Focus C=Cassegrain

Powdercoated White RAL 9010

Aluminium

Mild steel hot dipped galvanised

0-10 degrees



Elite Antennas Ltd

C BAND CIRCULAR RECEIVE ONLY ANTENNAS

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Frequency 3.7 to 4.2GHz

Part Number	Diameter	Focal Length mm	Feed Type	Gain dB			Beamwidth degrees	Antenna Noise Deg Kelvin			Azimuth Range		Elevation Range		Wt Kg
				Low	Mid	High		@ 10 deg	@ 30 deg	@ 50 deg	Coarse deg	Fine deg	Coarse	Fine	

Manual Elevation and Azimuth Mount

EPR15CE	1.5	546.0	PF	32.5	33.1	33.6	3.52	47	38	36	360	+/-5	N/A	10-70	67
EPR18CE	1.8	755.0	PF	34.6	35.2	35.7	2.88	45	37	36	360	+/-5	N/A	10-70	70
EPR20CE	2.0	755.0	PF	35.5	36.1	36.5	2.60	44	37	35	360	+/-5	N/A	10-70	75
EPR22CE	2.2	755.0	PF	36.2	36.8	37.3	2.46	43	36	34	360	+/-5	N/A	10-70	81
EPR24CE	2.4	823.0	PF	37.0	37.6	38.1	2.26	42	34	33	360	+/-5	N/A	10-70	140
EPR28CE	2.8	1207	PF	38.3	38.9	39.3	1.94	42	35	33	360	+/-5	N/A	0-46	234
EPR30CE	3.0	1207	PF	39.1	39.7	40.2	1.76	42	34	33	360	+/-5	N/A	0-46	244
EPR37CE	3.7	1207	PF	40.8	41.4	41.9	1.52	41	35	33	360	+/-5	N/A	5-35/25-50	495



Motorised Elevation and Azimuth Mount

EPR15CC M	1.5	546.0	PF	32.5	33.6	33.6	3.52	47	38	36	360	+/-35	N/A	0-55	87
EPR18CC M	1.8	755.0	PF	34.6	35.7	35.7	2.88	45	37	36	360	+/-35	N/A	0-55	90
EPR20CC M	2.0	755.0	PF	35.5	36.1	36.5	2.60	44	37	35	360	+/-35	N/A	0-55	95
EPR22CC M	2.2	755.0	PF	36.2	36.8	37.3	2.46	43	36	34	360	+/-35	N/A	0-55	101
EPR24CC M	2.4	823.0	PF	37.0	37.6	38.1	2.26	42	34	33	360	+/-50	N/A	12-51/21-60	293
EPR28CC M	2.8	1207	PF	38.3	38.9	39.3	1.94	42	35	33	360	+/-50	N/A	0-32/8-44	311
EPR30CC M	3.0	1207	PF	39.1	39.7	40.2	1.76	42	34	33	360	+/-50	N/A	0-32/8-44	321
EPR37CC M	3.7	1207	PF	40.8	41.4	41.9	1.52	41	35	33	360	+/-60	N/A	0-90	859

Manual Polar Mount

EPR15CC P	1.5	546.0	PF	32.5	33.1	33.6	3.52	47	38	36	N/A	50W-60E	N/A	N/A	62
EPR18CC P	1.8	755.0	PF	34.6	35.2	35.7	2.88	45	37	36	N/A	50W-60E	N/A	N/A	66
EPR20CC P	2.0	755.0	PF	35.5	36.1	36.5	2.60	44	37	35	N/A	50W-60E	N/A	N/A	71
EPR22CC P	2.2	755.0	PF	36.2	36.8	37.3	2.46	43	36	34	N/A	50W-60E	N/A	N/A	98
EPR24CC P	2.4	823.0	PF	37.0	37.6	38.1	2.26	42	34	33	N/A	50W-60E	N/A	N/A	116



C BAND CIRCULAR RECEIVE ONLY ANTENNAS

Frequency 3.7 to 4.2GHz

Part Number	Dia met er	Focal Length mm	Fee d Typ e	Gain dB			Bea mwid th degre es	Antenna Noise Deg Kelvin			Azimuth Range		Elevation Range		Wt Kg
				Low	Mid	High		@ 10 deg	@ 30 deg	@ 50 deg	Coars e deg	Fine deg	Coarse	Fine	

A Frame Mount

EPR15CC A	1.5	546. 0	PF	32. 5	33.1	33. 6	3.5 2	47	38	3 6	360	+/-5	5-44	+/-5	59
EPR18CC A	1.8	755. 0	PF	34. 6	35.2	35. 7	2.8 8	45	37	3 6	360	+/-5	5-44	+/-5	61
EPR20CC A	2.0	755. 0	PF	35. 5	36.1	36. 5	2.6 0	44	37	3 5	360	+/-5	5-44	+/-5	63
EPR22CC A	2.2	755. 0	PF	36. 2	36.8	37. 3	2.4 6	43	36	3 4	360	+/-5	8-40	+/-5	82
EPR24CC A	2.4	823. 0	PF	37. 0	37.6	38. 1	2.2 6	42	34	3 3	360	+/-5	5-36	+/-5	12 4
EPR28CC A	2.8	1207	PF	38. 3	38.9	39. 3	1.9 4	42	35	3 3	360	+/-5	10-46	+/-5	17 7
EPR30CC A	3.0	1207	PF	39. 1	39.7	40. 2	1.7 6	42	34	3 3	360	+/-5	10-43	+/-5	20 3
EPR37CC A	3.7	1207	PF	40. 8	41.4	41. 9	1.5 2	41	35	3 3	360	+/-5	TBA	+/-5	34 7

Feed configuration
Antenna colour
Antenna construction material
Mount construction material
Polar mount declination

PF=Prime Focus C=Cassegrain
Powdercoated White RAL 9010
Aluminium
Mild steel hot dipped galvanised
0-10 degree



Spare Parts

Reflectors

Part Number	Diameter	Focal Length
SF340/152	0.34m	152mm
SF600/228	0.6m	228.0mm
SF600/203	0.6m	203.0mm
SF900/337	0.9m	337.2mm
SF1200/457	1.2m	457.2mm
SF1300/457	1.3m	457.2mm
SF1500/546	1.5m	546.0mm
SF1800/755	1.8m	755.0mm
SF2000/755	2.0m	755.0mm
SF2200/755	2.2m	755.0mm
SF2400/823	2.4m	823.0mm
SF2800/1207	2.8m	1207.0mm
SF2800/914	2.8m	914.4mm
SF2800/1535	2.8m	1535mm
SF3000/914	3.0m	914.4mm
SF3000/1535	3.0m	1535mm
SF3000/1207	3.0m	1207mm
SF3700/1207	3.7m	1207mm

We also offer

- L-Band antennas
- De-icing for reflectors and feeds
- Foundation kits
- Various replacement mounts
- Feed support arms



Overview

All of the antennas in this catalogue are available off the shelf. We are also able to offer bespoke antennas to a variety of frequencies. If you cannot see what you require please call us and we look at your requirements.

Our reflectors come in one piece as standard, with the exception of the 3.7m diameter reflector. This is usually split into four sections. All our reflectors are available sectionalised to order. We also offer a rugged transportable design, which can be repeatedly dismantled and re-assembled. This would be ideal for field applications, a 1.8m reflector antenna could be carried easily in a Land Rover.

If you require a specialist finish for a harsh environment such as offshore or desert, please let us know and we will work with you to provide the best results.

We have a range of spares available and the list will be forwarded upon request. All goods are offered ex-works . (Incoterms 2001.)

Packing crates are extra and cost will be worked out on individual orders.

If you require any further assistance please do not hesitate to call.



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If you would like a call back, please email your details and one of our sales team will call you.

