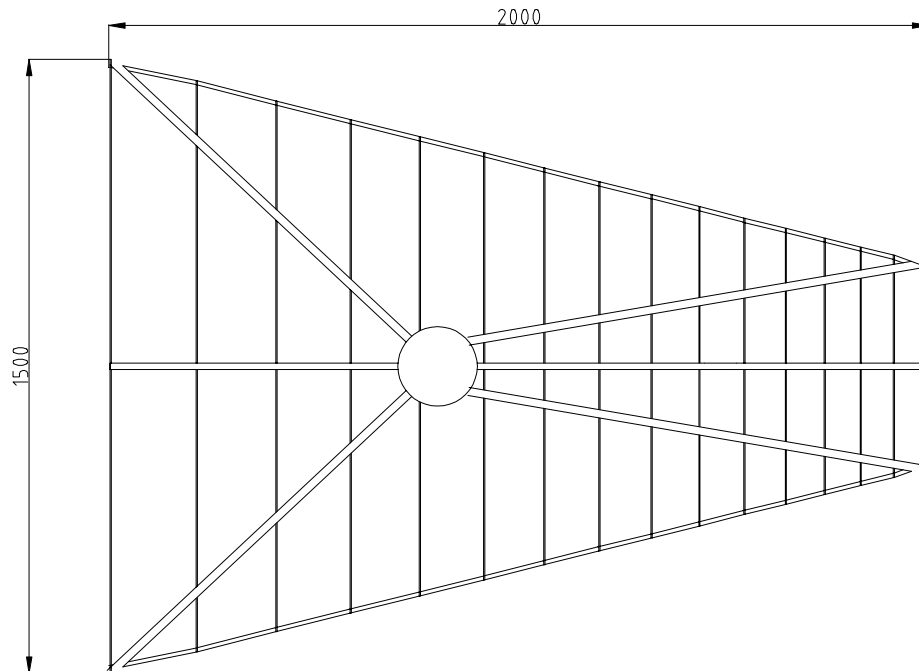
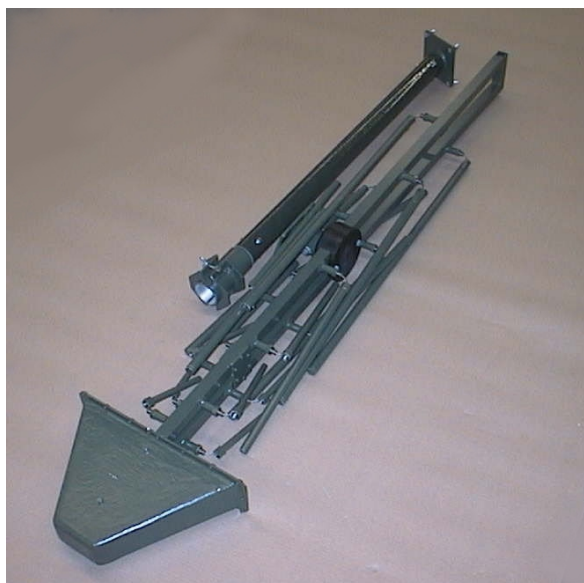


LOG-PERIODIC DIPOLE ARRAY LPD100-170



Type	LPD100-170
Frequency	100...170 MHz
Bandwidth	70 MHz
Impedance	50 Ω DC grounded
VSWR	2,0 max
Polarisation	Vertical
Gain	8 dBi
E-plane 3 dB beamwidth	70°
H-plane 3 dB beamwidth	100°
Electrical downtilt	None
Front to back ratio	20 dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,15 m ²
Dimensions (HxWxD)	1500x2000x150 mm
Weight	3 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glassfiber Glass reinforced PE
Options	-

LPD ANTENNA LPD115-1000



Picture 1. LPD115-1000 disassembled.

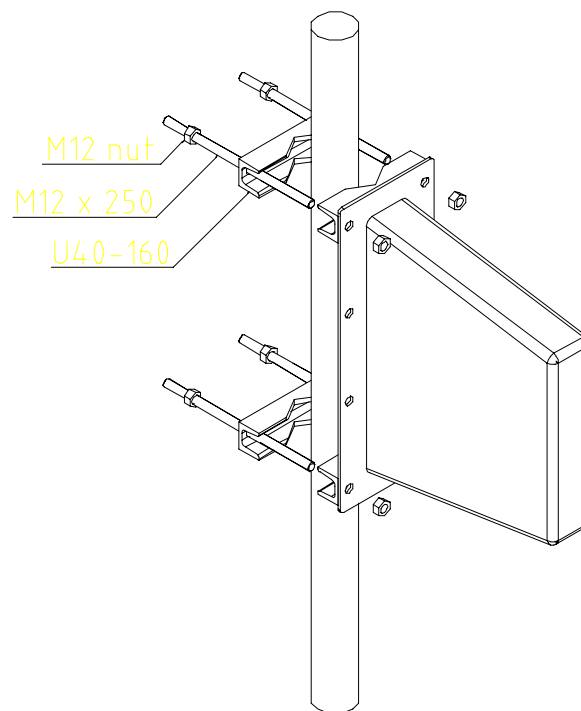


Picture 2. LPD115-1000 in-use.

The antenna in both pictures is the normal version of LPD115-1000.

Type	LPD115-1000
Frequency	115...1000 MHz
Bandwidth	885 MHz
Impedance	50 Ω DC grounded
VSWR	2,0 max
Polarisation	Horizontal/Vertical
Gain	6 dBi
E-plane 3 dB beamwidth	65°
H-plane 3 dB beamwidth	110°
Electrical downtilt	None
Front to back ratio	15 dB typical
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,15 m ²
Dimensions (H x W x D)	1600x1630x125 mm
Weight	8,4 kg (antenna) 1,8 kg (tube)
Mounting diameter	Ø 60 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced PE
Options	Normal version: With aluminium radiators, N-connector on a 1000 mm jumper and 1 kW power rating. High power version: With aluminium radiators, 7/16-panel connector, fixed feed line and 2 kW power rating. Carbon fiber version: All exposed radiators carbon fibre, 7/16-panel connector, fixed feed line and 2 kW power rating. Transport case and/or bag can be ordered separately.

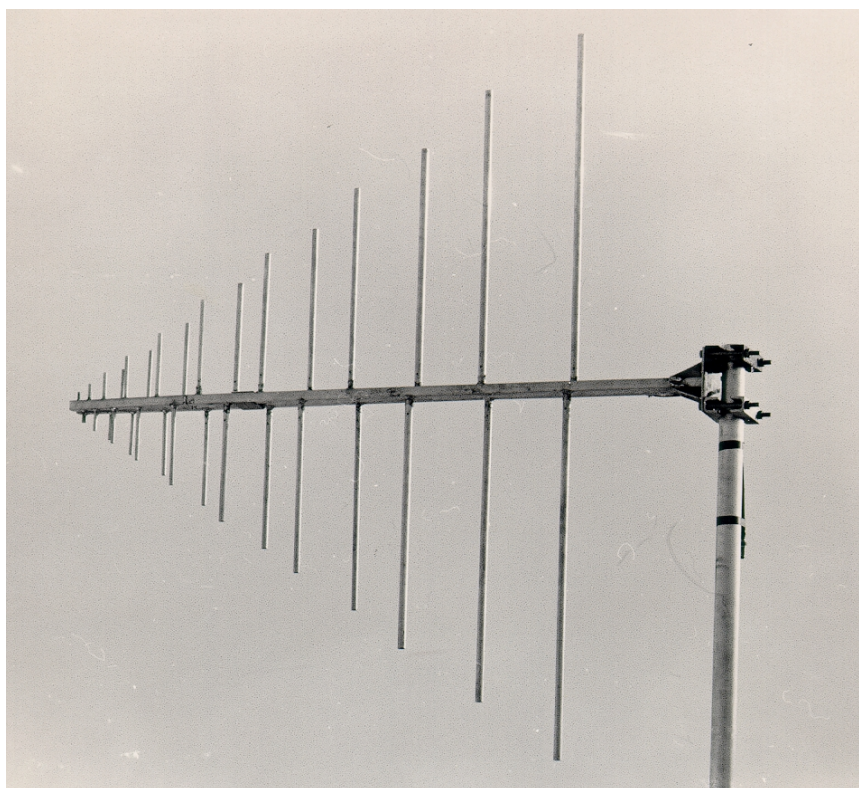
LPD-ANTENNA LPD380-2200



LPD380-2200 mounted vertically on a 60 mm tube.

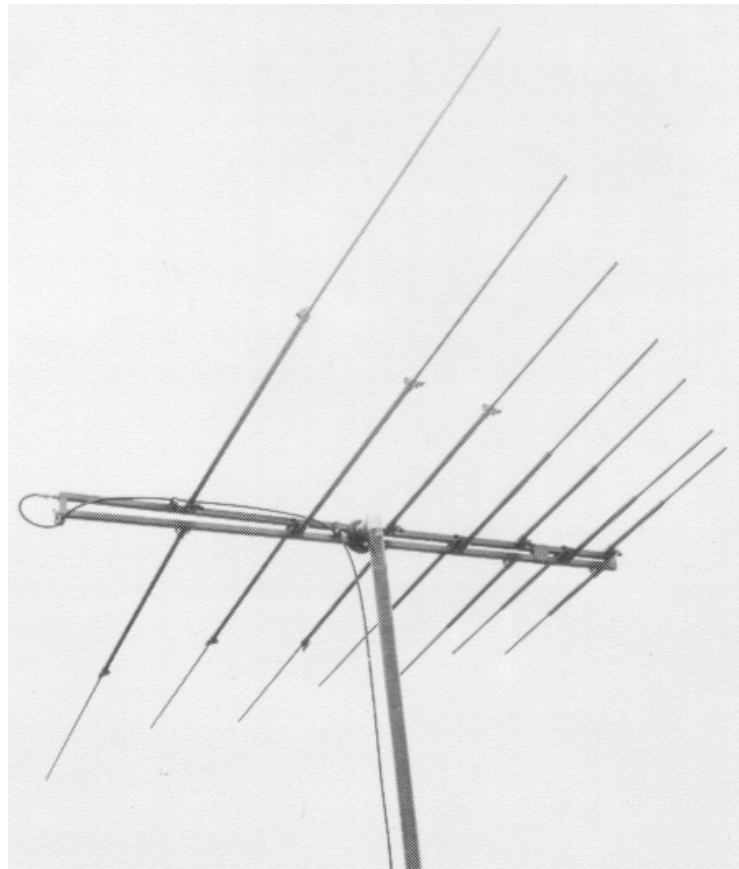
Type	LPD380-2200
Frequency	380...2200 MHz
Bandwidth	1820 MHz
Impedance	50 Ω DC grounded
VSWR	2,5 typical
Polarisation	Horisontal or Vertical
Gain	4,5 dbi
E-plane 3 dB beamwidth	75°
H-plane 3 dB beamwidth	110°
Electrical downtilt	None
Front to back ratio	15 dB typical
Max. Continuous power	200 W
RF-connector	N
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,1 m ²
Dimensions (H x W x D)	500x160x525 mm
Weight	5,0 kg (antenna)
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium and tin plated brass Glassfiber radome Glass reinforced PE
Options	-

LOG-PERIODIC DIPOLE ARRAY LPD20-500



Type	LPD20-500
Frequency	20...500 MHz
Bandwidth	480 MHz
Impedance	50 Ω DC grounded
VSWR	2,0 typical
Polarisation	Horisontal or vertical
Gain	4,5 dBi
E-plane 3 dB beamwidth	70°...40° dependent on frequency
H-plane 3 dB beamwidth	120°...80° dependent on frequency
Electrical downtilt	None
Front to back ratio	10 dB...25 dB dependent on frequency
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,25 m ²
Dimensions (HxWxD)	7300 x 4600 x 160 mm
Weight	20 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced PE

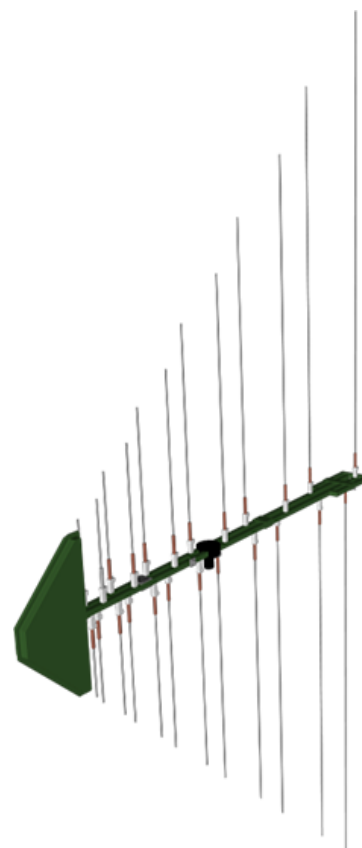
LOG-PERIODIC DIPOLE ARRAY LPD200-1000



Type	LPD200-1000
Frequency	200...1000 MHz
Bandwidth	800 MHz
Impedance	50 Ω DC grounded
VSWR	2,0 max
Polarisation	Horizontal or Vertical
Gain	7 dBi
E-plane 3 dB beamwidth	65°...60° dB dependent on frequency
H-plane 3 dB beamwidth	115°...75° dB dependent on frequency
Electrical downtilt	None
Front to back ratio	15 dB...25 dB dependent on frequency
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,2 m ²
Dimensions (HxWxD)	200x800x1000 mm
Weight	3 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced PE
Options	Carbon fiber elements

LPD30-1000

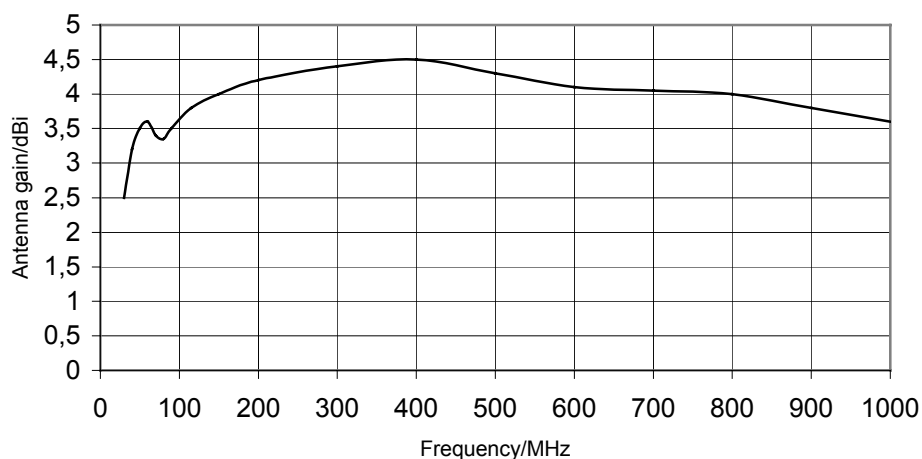
Type	LPD30-1000
Frequency	30...1000 MHz
Bandwidth	970 MHz
Impedance	50 Ω DC grounded
VSWR	2,0 typical
Polarisation	Horizontal / Vertical
Gain	4 dBi typical
E-plane 3 dB beamwidth	65°
H-plane 3 dB beamwidth	110°
Electrical downtilt	None
Front to back ratio	15 dB typical
Max. Continuous power	1 kW
RF-connector	N female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,45 m ²
Dimensions (H x W x D)	2600 x 5000 x 200 mm
Weight	14 kg (antenna)
Mounting diameter	Ø 60 mm pipe
Materials	Normal version: With aluminium radiators, N-connector on a 1000 mm jumper and 1 kW power rating. High power version: With aluminium radiators, 7/16-panel connector, fixed feed line and 2 kW power rating. Carbon fiber version: All exposed radiators carbon fibre, 7/16-panel connector, fixed feed line and 2 kW power rating. Transport case and/or bag can be ordered separately.



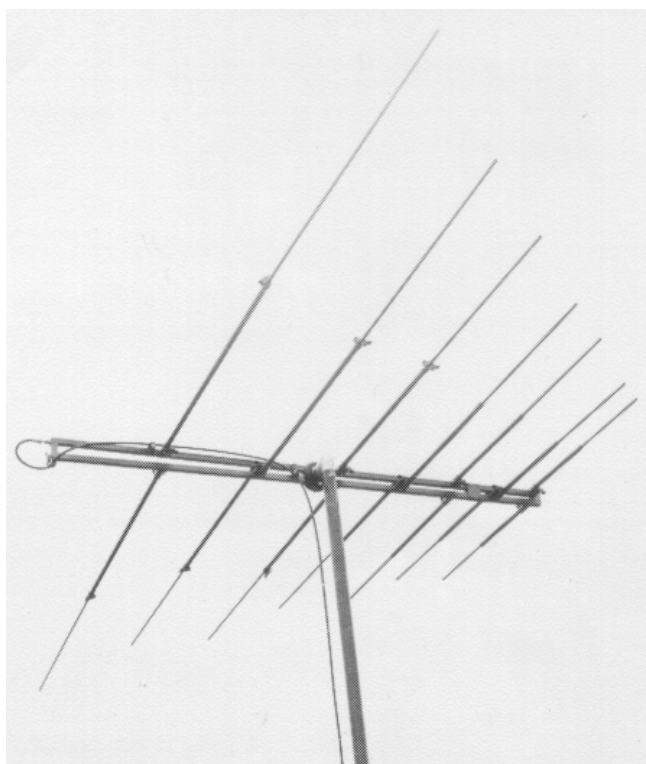
Antenna gain of LPD30-1000 with carbon fiber elements and radome

Tolerance >60 MHz +1,3 dBi and -0,9 dBi

Tolerance <60 MHz +1,0 dBi and -0,7 dBi

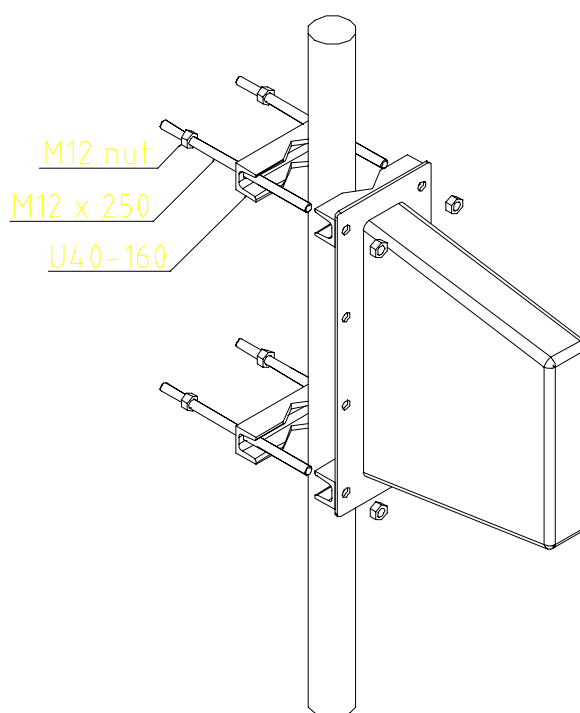


LOG PERIODIC DIPOLE ARRAY LPD30-300



Type	LPD30-300
Frequency	30...300 MHz
Bandwidth	270 MHz
Impedance	50 Ω DC grounded
VSWR	2,0 max
Polarisation	Horizontal or vertical
Gain	5 dBi
E-plane 3 dB beamwidth	Dependent on frequency
H-plane 3 dB beamwidth	Dependent on frequency
Electrical downtilt	None
Front to back ratio	Dependent on frequency
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,4 m ²
Dimensions (HxWxD)	2500x5300x200 mm
Weight	10 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced PE
Options	Carbon fiber elements

LPD-ANTENNA LPD380-960



LPD380-960 mounted vertically on a 60 mm tube.

Type	LPD380-960
Frequency	380...960 MHz
Bandwidth	580 MHz
Impedance	50 Ω DC grounded
VSWR	2,5 typical
Polarisation	Horisontal or Vertical
Gain	4,5 dbi
E-plane 3 dB beamwidth	75°
H-plane 3 dB beamwidth	110°
Electrical downtilt	None
Front to back ratio	15 dB typical
Max. Continuous power	200 W
RF-connector	N
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,1 m ²
Dimensions (H x W x D)	400x400x160 mm
Weight	5,0 kg (antenna)
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium and tin plated brass Glassfiber radome Glass reinforced PE
Options	-

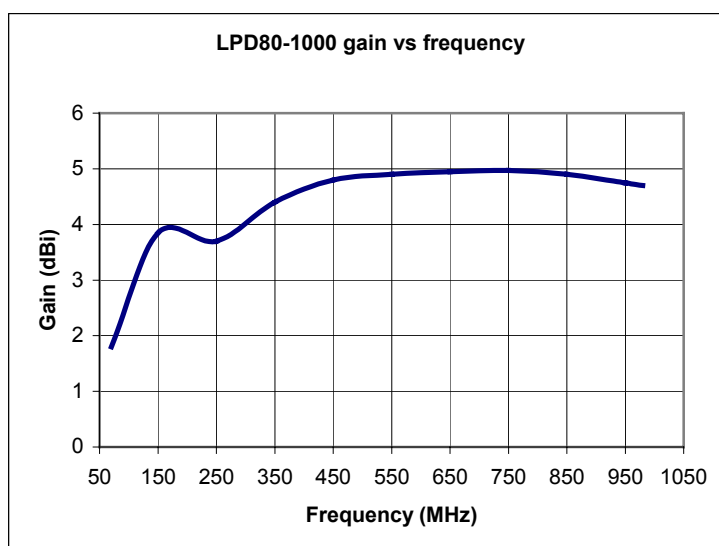
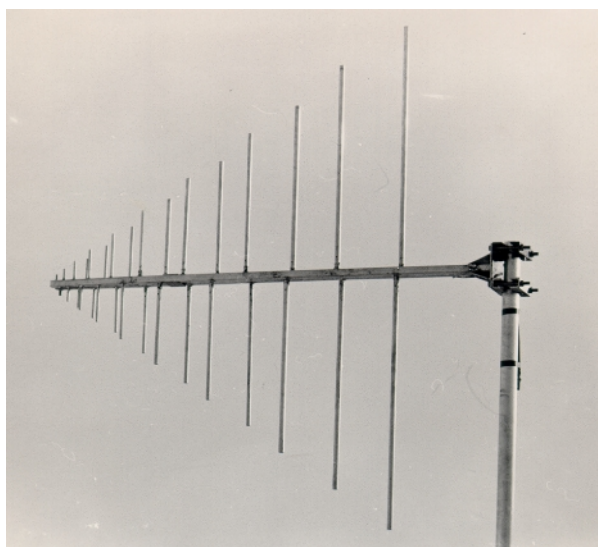
LPD-ANTENNA LPD400-3000



The antenna in picture is equipped with a fixed jumper.

Type	LPD400-3000
Frequency	400...3000 MHz
Bandwidth	2600 MHz
Impedance	50 Ω DC grounded
VSWR	2,0 typical
Polarisation	Horizontal or Vertical
Gain	6,5 dBi
E-plane 3 dB beamwidth	65°
H-plane 3 dB beamwidth	110°
Electrical downtilt	None
Front to back ratio	15 dB typical
Max. Continuous power	0,1 kW or 0,2 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,1 m ²
Dimensions (H x W x D)	580x160x460 mm
Weight	10,0 kg (antenna)
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium and tin plated brass Glassfiber radome Glass reinforced PE
Options	Normal version: N-connector on the back of the antenna and 0,1 kW power rating. 7/16-version: 7/16-panel connector, fixed feed line and 0,2 kW power rating. Transport case and/or bag can be ordered separately.

LOG-PERIODIC DIPOLE ARRAY LPD80-1000



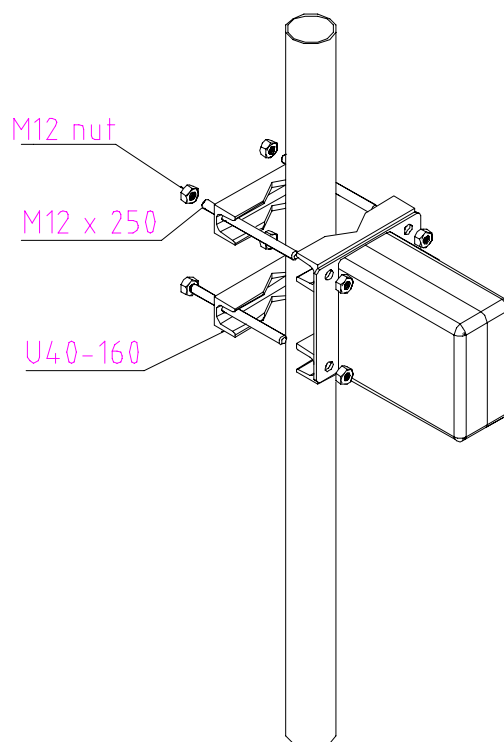
Type	LPD80-1000
Frequency	80...1000 MHz
Bandwidth	920 MHz
Impedance	50 Ω DC grounded
VSWR	2,0 typical
Polarisation	Horizontal or vertical
Gain	5 dBi
E-plane 3 dB beamwidth	70°...40° dependent on frequency
H-plane 3 dB beamwidth	120°...80° dependent on frequency
Electrical downtilt	None
Front to back ratio	10 dB...25 dB dependent on frequency
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,25 m ²
Dimensions (HxWxD)	1900 x 1700 x 100 mm
Weight	4 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glass reinforced PE

LPDX-ANTENNAS LPDX30-1000, LPDX100-1000 AND LPDX100-500

PICTURE NOT AVAILABLE

Type	LPDX30-1000	LPDX100-1000	LPDX100-500
Frequency	30...1000 MHz	100...1000 MHz	100...500 MHz
Bandwidth	970 MHz	900 MHz	400 MHz
Impedance	50 Ω DC grounded	50 Ω DC grounded	50 Ω DC grounded
VSWR	2,0 max	2,0 max	2,0 max
Polarisation	Horisontal/Vertical	Horisontal/Vertical	Horisontal/Vertical
Gain	6 dbi	6 dbi	6 dbi
E-plane 3 dB beamwidth	65°	65°	65°
H-plane 3 dB beamwidth	110°	110°	110°
Electrical downtilt	None	None	None
Front to back ratio	15 dB typical	15 dB typical	15 dB typical
Max. Continuous power	0,5 kW	0,5 kW	0,5 kW
RF-connector	N or 7/16 female	N or 7/16 female	N or 7/16 female
Operational windspeed	40 m/s (default)	40 m/s (default)	40 m/s (default)
Survival windspeed	55 m/s (default)	55 m/s (default)	55 m/s (default)
Wind area	0,9 m ²	0,5 m ²	0,45 m ²
Dimensions (H x W x D)	2600x5000x5000 mm	1200x1600x1600mm	1000x1600x1600 mm
Weight	40 kg (antenna) 1,8 kg (tube)	20 kg (antenna) 1,8 kg (tube)	10 kg (antenna) 1,8 kg (tube)
Mounting diameter	Ø 60 mm pipe	Ø 60 mm pipe	Ø 60 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced PE	Aluminium Glassfiber radome Glass reinforced PE	Aluminium Glassfiber radome Glass reinforced PE
Options	Normal version: With aluminium radiators, N-connector on a 1000 mm jumper and 1 kW power rating. High power version: With aluminium radiators, 7/16-panel connector, fixed feed line and 2 kW power rating. Carbon fiber version: All exposed radiators carbon fibre, 7/16-panel connector, fixed feed line and 2 kW power rating. Transport case and/or bag can be ordered separately.		

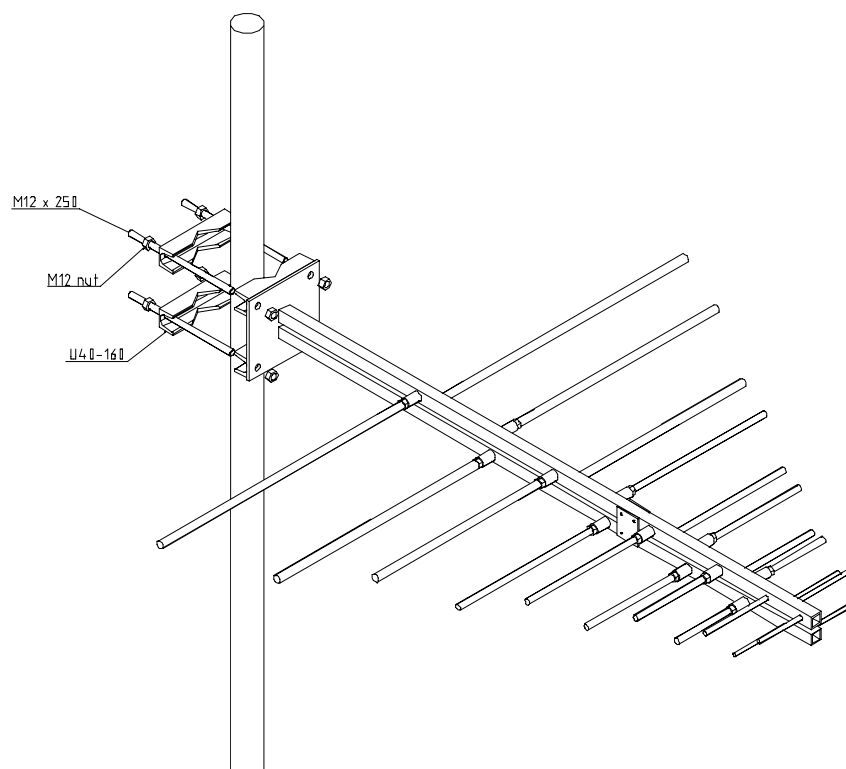
LPD-ANTENNA LPD1050-2200



LPD1050-2200 mounted vertically on a 60 mm tube.

Type	LPD1050-2200
Frequency	1050...2200 MHz
Bandwidth	1150 MHz
Impedance	50 Ω DC grounded
VSWR	2,5 typical
Polarisation	Horizontal or Vertical
Gain	8 dbi
E-plane 3 dB beamwidth	75°
H-plane 3 dB beamwidth	110°
Electrical downtilt	None
Front to back ratio	15 dB typical
Max. Continuous power	100 W
RF-connector	N
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,01 m ²
Dimensions (H x W x D)	150x150x50 mm
Weight	1,0 kg (antenna)
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium and tin plated brass Glassfiber radome Glass reinforced PE
Options	-

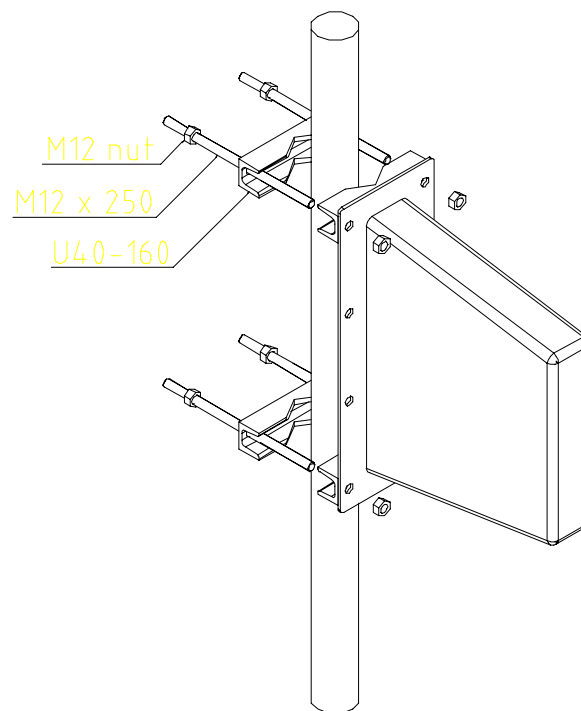
LPD-ANTENNA LPD120-500



LPD120-500 mounted horizontally on a 60 mm tube.

Type	LPD120-500
Frequency	120...500 MHz
Bandwidth	380 MHz
Impedance	50 Ω DC grounded
VSWR	2,0 typical
Polarisation	Horizontal or Vertical
Gain	7 dBi
E-plane 3 dB beamwidth	75°
H-plane 3 dB beamwidth	110°
Electrical downtilt	None
Front to back ratio	15 dB typical
Max. Continuous power	300 W
RF-connector	N
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,2 m ²
Dimensions (H x W x D)	1200x1200x160 mm
Weight	10,0 kg (antenna)
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glassfiber Glass reinforced PE
Options	Elements detachable.

LPD-ANTENNA LPD490-1050



LPD490-1050 mounted vertically on a 60 mm tube.

Type	LPD490-1050
Frequency	490...1050 MHz
Bandwidth	560 MHz
Impedance	50 Ω DC grounded
VSWR	2,5 typical
Polarisation	Horisontal or Vertical
Gain	4,5 dbi
E-plane 3 dB beamwidth	75°
H-plane 3 dB beamwidth	110°
Electrical downtilt	None
Front to back ratio	15 dB typical
Max. Continuous power	200 W
RF-connector	N
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,1 m ²
Dimensions (H x W x D)	400x400x160 mm
Weight	5,0 kg (antenna)
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium and tin plated brass Glassfiber radome Glass reinforced PE
Options	-

LPD-ANTENNA LPD95-1500

PICTURE NOT AVAILABLE

Type	LPD95-1500
Frequency	95...1500 MHz
Bandwidth	1405 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 typical
Polarisation	Horisontal or Vertical
Gain	4,5 dbi
E-plane 3 dB beamwidth	75°
H-plane 3 dB beamwidth	110°
Electrical downtilt	None
Front to back ratio	15 dB typical
Max. Continuous power	300 W
RF-connector	N female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	2,0 m ²
Dimensions (H x W x D)	200x1900x1630 mm
Weight	15,0 kg (antenna)
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glassfiber Glass reinforced PE
Options	Elements detachable.