



<b>Beverage Boxes with integrated common mode chokes. Wideband operation. In plastic box for outdoor mounting. SO239 connector.</b>	<b>Price EUR</b>
Beverage box 1.8, 3.5, 7MHz	39
Beverage box one direction 1.8, 3.5, 7MHz complete set	46
Beverage box two directions 1.8, 3.5, 7MHz	46
Beverage box two directions 1.8, 3.5, 7MHz complete set	88
Beverage box three directions 1.8, 3.5, 7MHz	57
Beverage box three directions 1.8, 3.5, 7MHz complete set	109
Power supply for Beverage box with Interference filter two directions	26
Power supply for Beverage box with Interference filter three directions	30
Termination 8 - 10 W for Beverage boxes	7
Zinc plated M6 square U-Bolt with serrated saddle. Up to 50 mm. For plastic boxes.	2

Band	Dipole antennas	Frequency range (MHz)	Resonance	Wire	Length	Price EUR
80 m	Inverted "V" CW/SSB dipole with relay switches	3.5 - 3.6 3.7 - 3.8	3.535 MHz 3.76 MHz	2.5 mm <sup>2</sup>	2x19 m	140
80 m	Relay switch with tuning coils for 80 m vertical CW / SSB	3.5 - 3.6 3.7 - 3.8	3.535 MHz 3.76 MHz		For 18m height vertical	119
40 m	40m Full size rotary dipole antenna	7 - 7.3		Starting element Diameter48 mm	22 m	249
30 m 17 m 12 m	Three band rotary WARC dipoles 3B-WARC	10 MHz 18 MHz 24 MHz		Starting element Diameter40 mm		269
20 m 15 m 10 m	Three band rotary dipoles 3B-Dipole	14 MHz 21 MHz 28 MHz		Starting element Diameter35 mm	11 m	249

Band	Full size Yagi antennas	Frequency range (MHz)	Free space forward gain	Elem.	Boom length	Starting element diameter (mm)	Max. element length	Price EUR
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**Triband antennas**

20 m		14 - 14.35	6.7 dBi	6.7	5 m	35 mm	11.3 m	499
15 m	3B-223HD	21 - 21.45	dBi 7.7 dBi	7	5 m	35 mm	11.3 m	499
10 m		28 - 28.7						
20 m		14 - 14.35	7.2 dBi	7.9	6.4 m	35 mm	11.3 m	880
15 m	3B-334HD	21 - 21.45	dBi 9.4 dBi	10	6.4 m	35 mm	11.3 m	880
10 m		28 - 28.7						
20 m		14 - 14.35	9.4 dBi					
15 m	3B-456HD	21 - 21.45	10.8 dBi	15	11.6 m	35 mm	11.3 m	1450
10 m		28 - 28.7	11.2 dBi					

#### 40 m Yagi

40 m	PA7-2-6	7 - 7.3	6.2 dBi	2	6.4 m	48 mm	23 m	689
40 m	PA7-3-12	7 - 7.3	7.3 dBi	3	12 m	48 mm	23 m	1249
40 m	PA7-4-18	7 - 7.3	7.3 dBi	4	18 m	48 mm	23 m	1899

#### 20 m Yagi

20 m	PA14-3-6	14 - 14.35	7.3 dBi	3	6.4 m	35	11 m	399
20 m	PA14-4-8	14 - 14.35	9.1 dBi	4	8.5 m	35	11 m	649
20 m	PA14-5-12	14 - 14.35	10.1 dBi	5	12.8 m	35	11 m	849

#### 15 m Yagi

15 m	PA21-3-5	21 - 21.45	7.7 dBi	3	5 m	30	7.3 m	280
15 m	PA21-4-6	21 - 21.45	9 dBi	4	6.4 m	30	7.3 m	399
15 m	PA21-5-9	21 - 21.45	10.4 dBi	5	9.4 m	30	7.3 m	649
15 m	PA21-6-12	21 - 21.45	11.4 dBi	6	12.6 m	30	7.3 m	849

#### 10 m Yagi

10 m	PA28-3-4	28 - 28.8	7.6 dBi	3	4 m	25	7.3 m	279
10 m	PA28-4-5	28 - 28.8	9 dBi	4	4.85 m	25	7.3 m	329
10 m	PA28-5-6	28 - 28.8	10 dBi	5	6.4 m	25	7.3 m	399
10 m	PA28-7-12	28 - 28.8	12 dBi	7	12 m	25	7.3 m	849

Band	Antenna	Frequency range (MHz)	Free space forward gain	Elem.	Boom length	Boom diameter (mm)	Mount	Price EUR
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#### 6 m Yagi

6 m	PA50-3-1.5	50 - 51	7.1 dBi	3	1.5 m	20 x 20	Center	89
6 m	PA50-3-1.5HDR	50 - 51	7.1 dBi	3	1.5 m	30 x 30	Rear	109
6 m	PA50-4-3	50 - 51	9.2 dBi	4	3 m	30 x 30	Center	119
6 m	PA50-6-6	50 - 51	11.6 dBi	6	6 m	40	Center	159
6 m	PA50-7-9	50 - 51	13 dBi	7	9 m	40	Center	199

#### 6 m / 4 m Yagi

6/4 m	PA50-70-7-3	50-51/70-70.5	7.7/9.1dBi	7	2.75 m	30 x 30	Center	129
6/4 m	PA50-70-11-6	50-51/70-70.5	10.6/12.2dBi	11	6 m	40	Center	179

6/4 m	PA50-70-15-9	50-51/70-70.5	12.5/12.9dBi	15	9 m	40	Center	229
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### 2 m Yagi

2 m	PA144-2-0.5	144 - 146	6.6 dBi	2	0.46 m	12 x 18	Center	27
2 m	PA144-2-0.8-R	144 - 146	6.6 dBi	2	0.8 m	12 x 18	Rear	30
2 m	PA144-2-0.8-HDR	144 - 146	6.6 dBi	2	0.8 m	20 x 20	Rear	36
2 m	PA144-3-0.7	144 - 146	7.4 dBi	3	0.7 m	12 x 18	Center	39
2 m	PA144-3-1-HDR	144 - 146	7.4 dBi	3	1 m	20 x 20	Rear	45
2 m	PA144-4-1	144 - 146	9.3 dBi	4	0.95 m	12 x 18	Center	49
2 m	PA144-4-1-HDR	144 - 146	9.3 dBi	4	1.25 m	20 x 20	Rear	55
2 m	PA144-5-1.5	144 - 146	10.5 dBi	5	1.5 m	20 x 20	Center	59
2 m	PA144-5-1.5-R	144 - 146	10.5 dBi	5	1.8 m	20 x 20	Rear	65
2 m	PA144-5-1.5-HDR	144 - 146	10.5 dBi	5	1.9 m	30	Rear	75
2 m	PA144-6-2	144 - 146	11.3 dBi	6	2 m	20 x 20	Center	72
2 m	PA144-6-2-R	144 - 146	11.3 dBi	6	2.3 m	20 x 20	Rear	76
2 m	PA144-6-2-HDR	144 - 146	11.3 dBi	6	2.4 m	30	Rear	89
2 m	PA144-8-3	144 - 146	12.7 dBi	8	3 m	30	Center	95
2 m	PA144-8-3-HDR	144 - 146	12.7 dBi	8	3.3 m	40	Rear	109
2 m	PA144-11-6	144 - 146	15.3 dBi	11	6 m	40	Center	129
2 m	PA144-13-8	144 - 145	16.1 dBi	13	8 m	40	Center	169
2 m	PA144-14-9	144 - 145	16.6 dBi	14	9 m	40	Center	195
2 m	PA144-18-12	144 - 145	17.7 dBi	18	12 m	40	Center	249

### 2 m / 70 cm Yagi

2 m 70cm	PA144-432-13-1.5	144-146 430-440	10.5/11.8	13	1.5	12 x 18	Center	78
2 m 70cm	PA144-432-13-1.5R	144-146 430-440	10.5/11.8	13	1.8	20 x 20	Rear	91

### 70 cm Yagi

70 cm	PA432-5-0.7-R	430 - 440	10.3 dBi	5	0.75 m	12 x 18	Rear	39
70 cm	PA432-6-1-R	430 - 440	11 dBi	6	1 m	12 x 18	Rear	46
70 cm	PA432-8-1.1	430 - 440	12.8 dBi	8	1.1 m	12 x 18	Center	52
70 cm	PA432-8-1.1-HDR	430 - 440	12.8 dBi	8	1.25 m	20 x 20	Rear	59
70 cm	PA432-11-2	430 - 440	15 dBi	11	2 m	20 x 20	Center	67
70 cm	PA432-11-2-HDR	430 - 440	15 dBi	11	2.3 m	30 x 30	Rear	79
70 cm	PA432-14-3	430 - 440	16.6 dBi	14	3 m	30 x 30	Center	95
70 cm	PA432-14-3-HDR	430 - 440	16.6 dBi	14	3.3 m	40	Rear	109
70 cm	PA432-23-6	432 - 436	19.3 dBi	23	6 m	40	Center	139
70 cm	PA432-29-8	432 - 436	20 dBi	29	8 m	40	Center	196

70 cm PA432-32-9	432 - 436	21.2 dBi	32	9 m	40	Center	209
70 cm PA432-42-12	432 - 436	22.2 dBi	42	12 m	40	Center	259

### 23 cm Yagi

23 cm PA1296-13-1R	1280-1320	16 dBi	13	1 m	12 x 18	Rear	59
23 cm PA1296-18-1.5R	1280-1320	17.6 dBi	18	1.5 m	20 x 20	Rear	89
23 cm PA1296-36-3RG	1280-1320	20.4 dBi	36	3 m	20 x 20	Center	119
23 cm PA1296-36-3UT	1280-1320	20.4 dBi	36	3 m	20 x 20	Center	134
23 cm PA1296-70-6RG	1280-1320	23.2 dBi	70	6 m	30 x 20	Center	159
23 cm PA1296-70-6UT	1280-1320	23.2 dBi	70	6 m	30 x 20	Center	174

2.4 GHz Yagi Antenna	Frequency		Polarization	Gain	3 dB hor/vert. Beamwidth	Length	Price EUR
	range (GHz)						
13cm DY12	2.4 - 2.5	Vertical	12.8 dBi	48.1°/41.4°	0.45 m	27	
13cm DY16	2.4 - 2.5	Vertical	16.5 dBi	33° / 31°	0.63 m	33	
13cm DY19	2.4 - 2.5	Vertical	18.6 dBi	21.8° / 21°	0.88 m	39	
13cm DY21	2.4 - 2.5	Vertical	21 dBi	17.5° / 17.5°	1.37 m	46	



2.4 GHz Sector Antenna	Frequency		Polarization	Gain	3 dB hor/vert. beamwidth	Height	Price EUR
	range (GHz)						
13cm Wide 1	2.4 - 2.5	Vertical	10.1 dBi	119° / 30°	0.25 m	39	
13cm Wide 2	2.4 - 2.5	Vertical	13.3 dBi	123° / 13°	0.55 m	57	
13cm Wide 3	2.4 - 2.5	Vertical	16.3 dBi	124° / 6°	1.03 m	85	
13cm Mid 1	2.4 - 2.5	Vertical	11.4 dBi	91° / 31°	0.3 m	44	
13cm Mid 2	2.4 - 2.5	Vertical	14.6 dBi	94° / 13°	0.6 m	62	
13cm Mid 3	2.4 - 2.5	Vertical	17.6 dBi	94° / 6°	1.1 m	89	
13cm Nar 1	2.4 - 2.5	Vertical	13.2 dBi	70° / 23°	0.35 m	49	
13cm Nar 2	2.4 - 2.5	Vertical	16.1 dBi	69° / 12°	0.65 m	69	
13cm Wide 2H	2.4 - 2.5	Horizontal	12.6 dBi	88° / 20°	0.45 m	52	
13cm Wide 3H	2.4 - 2.5	Horizontal	15.7 dBi	87° / 10°	0.75 m	79	




5.8 GHz Sector Antenna	Frequency		Polarization	Gain	3dB hor/6dB hor/vert. beamwidth	Height	Price EUR
	range (GHz)						
6 cm SV13	5.1 - 5.9	Vertical	13.2 dBi	121°/160°/17.5°	0.22 m	45	
6 cm SV16	5.1 - 5.9	Vertical	15.9 dBi	120.5°/161°/8.6°	0.38 m	65	
6 cm SV19	5.1 - 5.9	Vertical	19.3 dBi	120°/161°/4.2°	0.68 m	90	
6 cm SH13	5.1 - 5.9	Horizontal	13.6 dBi	59° / 83° / 35.9°	0.19 m	45	
6 cm SH16	5.1 - 5.9	Horizontal	16.5 dBi	60° / 84° / 14.3°	0.28 m	65	
6 cm SH19	5.1 - 5.9	Horizontal	19.3 dBi	63° / 85° / 7.5°	0.45 m	90	

<b>5.8 GHz Omnidirectional Antenna</b>		Frequency range (GHz)	Polarization	Gain	3 dB hor/vert. beamwidth	Height	Price EUR
6 cm	OV10	5.1 - 5.9	Vertical	9.4 dBi	360° / 18.3°	0.22 m	45
6 cm	OV13	5.1 - 5.9	Vertical	12.6 dBi	360° / 9.1°	0.38 m	65
6 cm	OV16	5.1 - 5.9	Vertical	15.9 dBi	360° / 4.2°	0.68 m	90


<b>Illuminator for standard satellite offset dish with f/d 0.5 - 0.8</b>							Price EUR
6 cm	Frequency Range 5.1 - 5.9 GHz. Illuminator diameter 40 mm. G = 10 dBi						20

<b>FM, GSM, 3G, SRD, Link, CDMA, PMR, TV and Other Antennas</b>	Frequency range (MHz)	Free space forward gain	Elem.	Boom length	Boom diameter (mm)	Mount	Price EUR
FM Antenna "H" polarization	88 - 108	1 dBi	1		12 x 18	Rear	16
FM Antenna "V" polarization	88 - 108	2.15 dBi	1		12 x 18	Rear	16
FM Directional Antenna 3el.	88 - 108	7 dBi	3	1 m	12 x 18	Center	37
FM Directional Antenna 3elHD	88 - 108	7 dBi	3	1.4 m	20 x 20	Rear	49
FM Directional Antenna 5el.	88 - 108	10 dBi	5	2 m	12 x 18	Center	49
FM Transmitting Dipole	88 - 108	2.15 dBi	1		20 x 20	Rear	65
FM Transm.2 Way Stacked Dipole	88 - 108	5.1 dBi	2 x 1		20 x 20	Rear	149
FM Transm.4 Way Stacked Dipole	88 - 108	8 dBi	4 x 1		20 x 20	Rear	289
FM Transmitting Yagi 3elHD.	88 - 108	7 dBi	3	1.4 m	20 x 20	Rear	99
CDMA Antenna "Mini"	410 - 430	7.1 dBi	3	0.3 m	12 x 18	Rear	25
CDMA Antenna "Standard"	410 - 430	10.8 dBi	5	0.95 m	12 x 18	Rear	30
PMR 446 Antenna	446	10.8 dBi	5	0.95 m	12 x 18	Rear	30
TV channel antenna "Maxi2VHF" 175 - 230MHz	Any TV VHF channel	12.5 dBi		2 m	12 x 18	Center	29
TV antenna "Standard UHF"	470 - 865	15 dBi	5	1.2 m	12 x 18	Rear	20
TV channel antenna "Maxi2UHF" 470 - 865MHz	Any TV UHF channel	17.5 dBi		2 m	12 x 18	Center	27
SRD (Short Range Device)	868 - 870	13 dBi		0.75 m	12 x 18	Rear	26
GSM Antenna "Mini"	880 - 960	13.3 dBi		0.75 m	12 x 18	Rear	23
GSM Antenna "Standard"	880 - 960	15.2 dBi		1.2 m	12 x 18	Rear	29
GSM Antenna "Maxi2"	880 - 960	17.5 dBi		2 m	12 x 18	Center	39
Link Antenna "Standard"	1080 - 1200	13.3 dBi		1.2 m	12 x 18	Rear	29
Link Antenna "Maxi2"	1080 - 1200	19 dBi		2 m	12 x 18	Center	39
Radio Link Antenna	1525 - 1535	15.2 dBi		0.95 m	In radome	Rear	59
DCS-1800 GSM-1800 Antenna	1710 - 1880	17 dBi		0.8 m	In radome	Rear	49
PCS-1900 GSM-1900 Antenna	1850 - 1990	18 dBi		0.8 m	In radome	Rear	49
3G, UMTS, HSDPA antenna 3G18	1920 - 2170	18 dBi		0.8 m	In radome	Rear	39

Boom diameter (mm)	Element diameter	UV Resistant Element Holders - Insulators	Price EUR
12 x 18 (12mm)	4		1
Square 20 x 20	4		1
Square 20 x 20	5		1
Square 20 x 20	6		1
Square 30 x 30	4		1
Square 30 x 30	5		1
Square 30 x 30	6		1
Square 40 x 40	4		1
Square 40 x 40	5		1
Square 40 x 40	6		1
Round 30	4		1
Round 30	5		1
Round 30	6		1
Round 40	4		1
Round 40	5		1
Round 40	6		1

Boom diameter (mm)	Element diameter	UV Resistant Thick Element Holders - Insulators	Price EUR
Square 20 x 20	8		1.1
Square 30 x 30	8		1.1
Square 40 x 40	8		1.1
Round 30	8		1.1
Round 40	8		1.1
Square 20 x 20	10		1.1
Square 30 x 30	10		1.1
Square 40 x 40	10		1.1
Round 30	10		1.1
Round 40	10		1.1
Square 20 x 20	12		1.1
Square 30 x 30	12		1.1
Square 40 x 40	12		1.1
Round 30	12		1.1
Round 40	12		1.1

Boom diameter (mm)	Element diameter	UV Resistant Dipole Holders - Insulators	Price EUR
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Square 20 x 20	8		6
Square 30 x 30	8		6
Square 40 x 40	8		6
Round 30	8		6
Round 40	8		6
Square 20 x 20	12		6
Square 30 x 30	12		6
Square 40 x 40	12		6
Round 30	12		6
Round 40	12		6

Boom diameter (mm)	Element diameter	Frequency (MHz)	UV Resistant driven elements with sealed Aircell 7 balun, teflon "N" connector	Price EUR
2 m	12 x 18	8	144 Dipole length 990 mm	25
2 m	20 x 20	8	144 Dipole length 990 mm	25
2 m	Round 30	8	144 Dipole length 990 mm	25
2 m	Round 40	8	144 Dipole length 990 mm	25

Boom diameter (mm)	Element diameter	Frequency (MHz)	UV Resistant driven elements with sealed teflon RG142 balun, teflon "N" connector	Price EUR
70 cm	12 x 18	8	432 Dipole length 380 mm	30
70 cm	20 x 20	8	432 Dipole length 380 mm	30
70 cm	Round 30	8	432 Dipole length 380 mm	30
70 cm	Round 40	8	432 Dipole length 380 mm	30

50 Ohm Power divider (splitter) - Combiner		Connector	Return loss	Power rating	Price EUR
		(other frequencies on request. 7/16, "N", SO239, SMA, TNC male -female)			

#### 6 m

6 m	2-Way 50 MHz, 1/4 wl	3 x SO239 female	< -23 dB	2 kW	76
6 m	2-Way 50 MHz, 1/4 wl	3 x Teflon "N" female	< -23 dB	2 kW	80
6 m	4-Way 50 MHz, 1/4 wl	5 x SO239 female	< -23 dB	2 kW	86
6 m	4-Way 50 MHz, 1/4 wl	5 x Teflon "N" female	< -23 dB	2 kW	90

#### 4 m

4 m	2-Way 70 MHz, 1/4 wl	3 x Teflon "N" female	< -23 dB	2 kW	60
4 m	4-Way 70 MHz, 1/4 wl	5 x Teflon "N" female	< -23 dB	2 kW	74

#### 88-108 MHz Power Divider - Combiner

3 m	2-Way 88-108MHz, 1/4 wl	3 x Teflon "N" female	< -20 dB	500 W	80
3 m	2-Way 88-108MHz, 1/4 wl	7/16 DIN female 2 x "N"	< -20 dB	1 kW	105

3 m	4-Way	88-108MHz, 1/4 wl	5 x Teflon "N" female	< -20 dB	500 W	90
3 m	4-Way	88-108MHz, 1/4 wl	7/16 DIN female 4 x "N"	< -20 dB	2 kW	115

### 2 m

2 m	2-Way	144 MHz, 1/4 wl	3 x Teflon "N" female	< -23 dB	1.5 kW	50
2 m	2-Way	144 MHz, 1/4 wl	7/16 DIN female 2 x "N"	< -23 dB	3 kW	75
2 m	2-Way	144 MHz, 1/2 wl	3 x Teflon "N" female	< -23 dB	1.5 kW	65
2 m	2-Way	144 MHz, 1/2 wl	7/6 DIN female 2 x "N"	< -23 dB	3 kW	90
2 m	3-Way	144 MHz, 1/4 wl	4 x Teflon "N" female	< -23 dB	1.5 kW	57
2 m	4-Way	144 MHz, 1/4 wl	5 x Teflon "N" female	< -23 dB	1.5 kW	60
2 m	4-Way	144 MHz, 1/2 wl	5 x Teflon "N" female	< -23 dB	1.5 kW	75
2 m	4-Way	144 MHz, 1/4 wl	7/16 DIN female 4 x "N"	< -23 dB	4 kW	85
2 m	4-Way	144 MHz, 1/2 wl	7/16 DIN female 4 x "N"	< -23 dB	4 kW	100
2 m	6-Way	144 MHz, 1/2 wl	7 x Teflon "N" female	< -23 dB	1.5 kW	89
2 m	6-Way	144 MHz, 1/2 wl	7/16 DIN female 6 x "N"	< -23 dB	4 kW	114
2 m	8-Way	144 MHz, 1/2 wl	9 x Teflon "N" female	< -23 dB	1.5 kW	103
2 m	8-Way	144 MHz, 1/2 wl	7/16 DIN female 8 x "N"	< -23 dB	4 kW	128

### 70 cm

70cm	2-Way	432 MHz, 1/4 wl	3 x Teflon "N" female	< -23 dB	1 kW	45
70cm	2-Way	432 MHz, 1/4 wl	7/16 DIN female 2 x "N"	< -23 dB	2 kW	70
70cm	2-Way	432 MHz, 1/2 wl	3 x Teflon "N" female	< -23 dB	1 kW	55
70cm	2-Way	432 MHz, 1/2 wl	7/6 DIN female 2 x "N"	< -23 dB	2 kW	80
70cm	3-Way	432 MHz, 1/4 wl	4 x Teflon "N" female	< -23 dB	1 kW	52
70cm	4-Way	432 MHz, 1/4 wl	5 x Teflon "N" female	< -23 dB	1 kW	55
70cm	4-Way	432 MHz, 1/2 wl	5 x Teflon "N" female	< -23 dB	1 kW	65
70cm	4-Way	432 MHz, 1/4 wl	7/16 DIN female 4 x "N"	< -23 dB	4 kW	80
70cm	4-Way	432 MHz, 1/2 wl	7/16 DIN female 4 x "N"	< -23 dB	4 kW	90
70cm	6-Way	432 MHz, 1/2 wl	7 x Teflon "N" female	< -23 dB	1 kW	79
70cm	6-Way	432 MHz, 1/2 wl	7/16 DIN female 6 x "N"	< -23 dB	4 kW	104
70cm	8-Way	432 MHz, 1/2 wl	9 x Teflon "N" female	< -23 dB	1 kW	93
70cm	8-Way	432 MHz, 1/2 wl	7/16 DIN female 8 x "N"	< -23 dB	4 kW	118

### 23 cm


23cm	2-Way	1296 MHz, 1/4 wl	3 x Teflon "N" female	< -23 dB	600 W	45
23cm	2-Way	1296 MHz, 1/4 wl	7/16 DIN female 2 x "N"	< -23 dB	1.2 kW	70
23cm	2-Way	1296 MHz, 1/2 wl	3 x Teflon "N" female	< -23 dB	600 W	55
23cm	2-Way	1296 MHz, 1/2 wl	7/6 DIN female 2 x "N"	< -23 dB	1.2 kW	80
23cm	3-Way	1296 MHz, 1/4 wl	4 x Teflon "N" female	< -23 dB	600 W	52
23cm	4-Way	1296 MHz, 1/4 wl	5 x Teflon "N" female	< -23 dB	600 W	55



23cm	4-Way	1296 MHz, 1/2 wl	5 x Teflon "N" female	< -23 dB	600 W	65
23cm	4-Way	1296 MHz, 1/4 wl	7/16 DIN female 4 x "N"	< -23 dB	2.4 kW	80
23cm	4-Way	1296 MHz, 1/2 wl	7/16 DIN female 4 x "N"	< -23 dB	2.4 kW	90
23cm	6-Way	1296 MHz, 1/2 wl	7 x Teflon "N" female	< -23 dB	600 W	79
23cm	6-Way	1296 MHz, 1/2 wl	7/16 DIN female 6 x "N"	< -23 dB	3.6 kW	104
23cm	8-Way	1296 MHz, 1/2 wl	9 x Teflon "N" female	< -23 dB	600 W	93
23cm	8-Way	1296 MHz, 1/2 wl	7/16 DIN female 8 x "N"	< -23 dB	4 kW	118

<b>2.4 GHz Splitter - Combiner</b>		Frequency range (GHz)	Insertion loss	Connector	Return loss	Power rating	Price EUR
13cm	2 - Way	2.2 - 2.7	< 0.4 dB	3 x "N"	< -18 dB	25 W	30
13cm	3 - Way	2.2 - 2.7	< 0.5 dB	4 x "N"	< -18 dB	25 W	39
13cm	4 - Way	2.2 - 2.7	< 0.5 dB	5 x "N"	< -18 dB	25 W	48

<b>5.8 GHz Splitter - Combiner</b>		Frequency range (GHz)	Insertion loss		Return loss	Power rating	Price EUR
6 cm	2 - Way	4.7 - 6.3	< 0.5 dB	3 x "N"	< -20 dB	20 W	30
6 cm	3 - Way	4.7 - 6.3	< 0.6 dB	4 x "N"	< -20 dB	20 W	39
6 cm	4 - Way	4.7 - 6.3	< 0.7 dB	5 x "N"	< -20 dB	20 W	48

<b>4 kW and 6 kW HF Band Pass Filters</b>		Frequency range (MHz)	Insertion loss	Attenuation on nearest band	Max. power input	Price EUR
160m		1.8 - 2	0.15 dB	35 - 55 dB	4 kW	199
80 m		3.5 - 4	0.15 dB	35 - 55 dB	4 kW	199
40 m		7 - 7.3	0.09 dB	35 - 55 dB	4 kW	199
20 m		14 - 14.35	0.15 dB	35 - 55 dB	4 kW	199
15 m		21 - 21.45	0.14 dB	35 - 55 dB	4 kW	199
10 m		28 - 29	0.15 dB	35 - 55 dB	4 kW	199
40 m		7 - 7.3	0.09 dB	42 - 60 dB	6 kW	339
20 m		14 - 14.35	0.12 dB	42 - 60 dB	6 kW	339

<b>3.5 KW Wideband HF Stack Match 7 MHz - 28 MHz</b>		Price EUR
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Base Stack-Match. No switching. Both antennas always connected. "N" or SO239 199

Stack-Match with Relay switching: upper, lower, both. Three position remote rotary switch included. "N" or SO239 299

Stack-Match with Relay switching: upper, lower, both. Three position remote rotary switch included. 7/16DIN input connector. 324

<b>Ham Radio Preamplifiers</b>		Price EUR
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VLNA 2m13 High IP3, Low Noise Wideband 50 -2304 MHz Preamplifier SPF-5122Z	69
Terrestrial Low Noise TV Amplifier High IP3 Orion with 144 MHz Notch filter -20dB and High Pass filter 175 - 865 MHz. Blocks all HF, 50 MHz and 144 MHz signals.	29
Power supply for Orion amplifier +12V, 500mA with power injector.	16.5

<b>Ham Radio Equipment</b>	Price EUR
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RFI TV interference filter from HF-50MHz amateur radio station	30
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<b>TV Terrestrial and Cable TV stuff</b>	Price EUR
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Terrestrial Low Noise TV Amplifier High IP3 Orion, G=23dB. Vo (-60dB imd) 122 dB $\mu$ V	15
Cable amplifier Orion 2+. 47 MHz - 865 MHz, G=18-25 dB. Vo (-60dB IMD) 121 dB $\mu$ V	14.5
Cable amplifier Orion 2i. 47 MHz - 865 MHz, G=18-25 dB. Vo(-60dB IMD) 121 dB $\mu$ V, Power Supply	25
Cable line amplifier Hercules 2+. 47 MHz - 865 MHz, G=12 dB, Vo(-60dB IMD) 121 dB $\mu$ V	12.5
UHF Preamplifier Polifem. Low Noise, high overload resistance, G=17dB, NF=2.6 dB, Vo(-60 dB IMD) 117.5dB $\mu$ V. Designed for installation in antenna.	10
Channel Preamplifier Master2. Very low noise, high gain. G=25dB, NF=1.9 dB, Vo(-60 dB IMD) 120dB $\mu$ V. Any UHF TV channel by order. Mast mounted preamplifier.	18
Cable amplifier Titan1+. 47 MHz - 865 MHz, G=23dB flat. Vo (-60dB IMD) 121 dB $\mu$ V. Slope and Gain regulation.	52
Cable amplifier Titan1+ with passive return path. 5-65MHz, 88-865 MHz, G=23dB flat. Vo (-60dB IMD) 121 dB $\mu$ V. Slope and Gain regulation.	60
Cable amplifier Titan1+ with active return path. 5-65MHz, 88-865 MHz, G=17 dB return path, G=23dB forward. Vo (-60dB IMD) 121 dB $\mu$ V. Slope and Gain regulation.	70
Cable amplifier Titan2+. 47 MHz - 865 MHz, G=34.5dB flat. Vo (-60dB IMD) 124.5 dB $\mu$ V. Slope and Gain regulation.	65
Cable amplifier Titan2+ with passive return path. 5-65MHz G=-1dB, 88-865 MHz G=34.5dB flat. Vo (-60dB IMD) 124.5 dB $\mu$ V. Slope and Gain regulation.	73
Cable amplifier Titan2+ with active return path. 5-65MHz G=17dB, 88-865 MHz G=34.5dB forward. Vo (-60dB IMD) 124.5 dB $\mu$ V. Slope and Gain regulation.	83
Microprocessor controled TV Modulator "Lux". Switchable to any VHF, S, UHF channel. Vo=83dB $\mu$ V, for up to 8 TV sets.	48
Microprocessor controled TV Modulator "Extra". Switchable to any VHF, S, UHF channel. Vo=98dB $\mu$ V, for up to 32 TV sets direct from modulator.	58
Microprocessor controled TV Modulator "Super". Switchable to any VHF, S, UHF channel. Vo=105dB $\mu$ V, for up to 64 TV sets direct from modulator.	65
2-Way active splitter AR2i. Divide TV signal on 2TV sets without loss. Gain up to 8dB.	28
2-Way active splitter with passive return path AR2Ci. Divide TV signal on 2TV sets without loss. Return path 5-65 MHz -4dB. Forward gain up to 8 dB.	35
3-Way active splitter AR3i. Divide TV signal on 3TV sets without loss. Gain up to 6dB.	31
4-Way active splitter AR4i. Divide TV signal on 4TV sets without loss. Gain up to 4dB.	35
5-Way active splitter AR5i. Divide TV signal on 5TV sets without loss. Gain up to 4dB.	39
6-Way active splitter AR6i. Divide TV signal on 6TV sets without loss. Gain up to 3dB.	43

7-Way active splitter AR7i. Divide TV signal on 7TV sets without loss. Gain up to 2dB.	46
8-Way active splitter AR8i. Divide TV signal on 8TV sets without loss. Gain up to 1dB.	50
Power Supply for mast mounted preamplifier +12V, 200mA with power inserter.	14
Power Supply for mast mounted preamplifiers +12V, 500mA with power inserter.	16.5
Channel filter - combiner. Intended to combine 2 or more TV antennas in different directions. Price depends on number of inside filters (from 2 to 15). Price for 2 filt.	14
VHF - UHF diplexer. Intended to combine one VHF and UHF antenna. Power pass on UHF side.	14
TV + Return path (5-65 MHz) - Radio diplexer. Intended to combine TV and radio roof antenna. Power pass on TV side.	16
TV - SAT diplexer. Intended to combine TV roof antenna and satellite dish antenna. Power pass on satellite side (13 - 18V).	10

### Mounting hardware

Zinc plated V-Bolt with serrated saddle. Mast up to 50 mm. Thread M6. Antenna up to 3 m.	2
Zinc plated M6 square U-Bolt with serrated saddle. Mast up to 50 mm. For plastic boxes.	2
Zinc plated "Goliath" mast mounting clamp. Nuts and bolts M8. Mast up to 70 mm.	4.5
Zinc plated and coated. Mast mounting clamp "Big". M8. Boom/mast up to 70 mm.	12.5
Square U-Bolt designed to hold square antenna boom 20x20mm. Thread M6	1.5
Square U-Bolt designed to hold square antenna boom 30x30mm. Thread M6	1.5
Square U-Bolt designed to hold square antenna boom 40x40mm. Thread M8	2.0
Square U-Bolt designed to hold square antenna boom 50x50mm. Thread M8	2.0
Square U-Bolt designed to hold square antenna boom 70x70mm. Thread M8	3.0
Square U-Bolt designed to hold square antenna boom 80x80mm. Thread M8	3.0
Square U-Bolt designed to hold square antenna boom 100x100mm. Thread M10	4.0
V-Bolt designed to hold round antenna boom 30 - 50mm. Thread M6	1.5
V-Bolt designed to hold round antenna boom 30 - 50mm. Thread M8	2.0
V-Bolt designed to hold round antenna boom 40 - 70mm. Thread M8	3.0
V-Bolt designed to hold round antenna boom 60 - 100mm. Thread M10	4.0

### Plastic boxes for outdoor mounting, IP63 protection

"DM" Usable inside dimensions 69 x 70 x 31		2.0
"DP" Usable inside dimensions 97 x 83 x 34		2.5
"DS" Usable inside dimensions 152 x 80 x 44		3.0
"DB" Usable inside dimensions 220 x 110 x 65		9.0

Shipping cost to any EU country:	Price EUR
< 1 kg	20
1 - 2 kg	25
2 - 5 kg	33
5 - 10 kg	46

10 - 15 kg	60
20 - 25 kg	90
25 - 30 kg	110

Import duties, taxes, and charges are not included in the item price or shipping cost.

**R - Rear mount**

**HD - Heavy Duty**

**HDR - Heavy Duty Rear mount**

**RG - Balun made of RG-316 teflon cable**

**UT - Balun made of UT-141 teflon cable**