

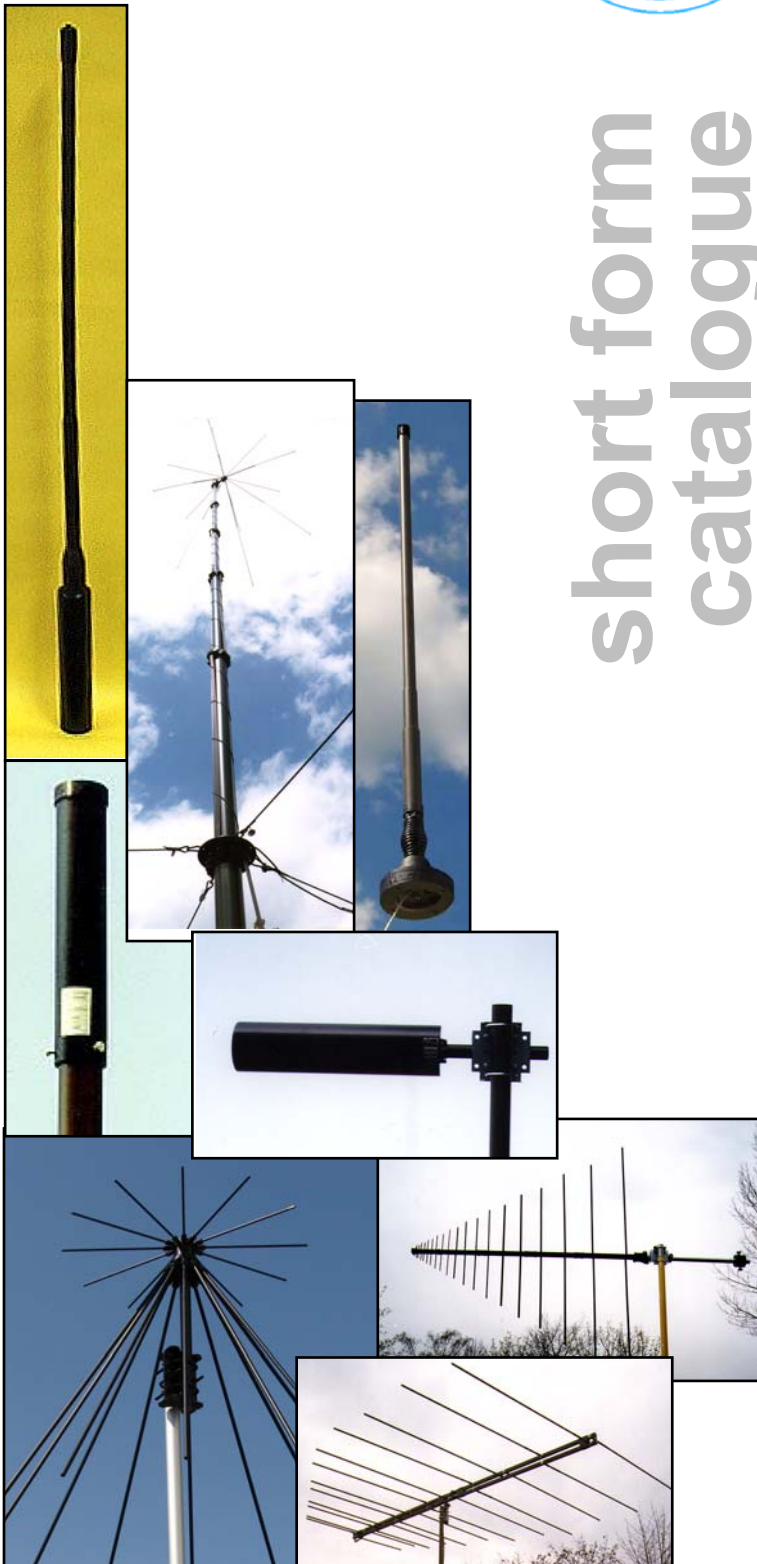


TRIVAL antenne

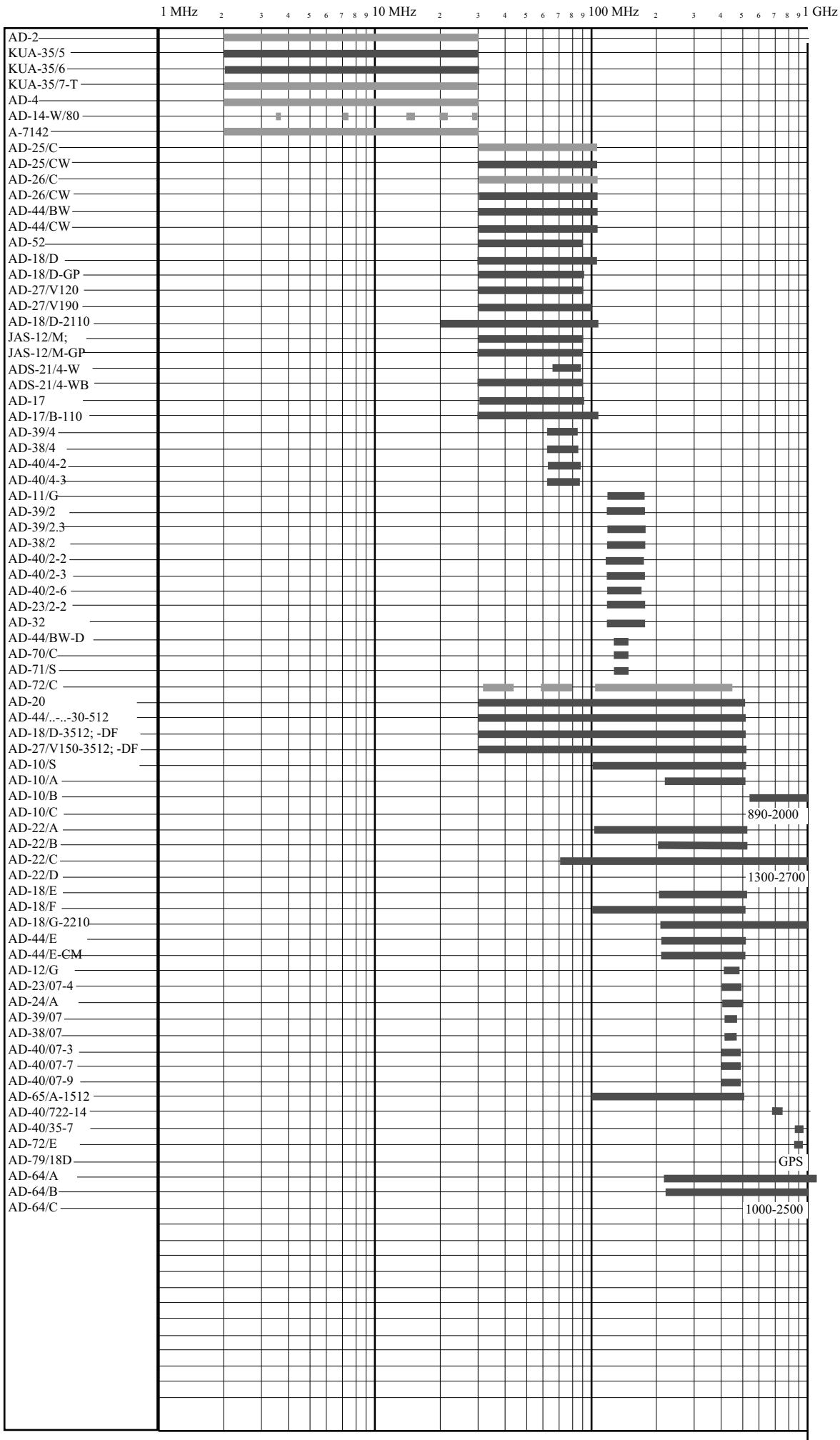
short form catalogue

WELCOME TO TRIVAL Antennas! In front of you is our short form catalogue of our antennas, antenna masts and accessories, the result of more than 40 years of tradition in research, development and production. This also means 40 years of tradition in technology of composite materials - epoxy or polyester resins, reinforced with glass, kevlar or carbon fibres - which is the base technology for the most of our antennas and antenna masts. This tradition is successfully implemented with up-to-date research, control and production procedures: computer programs for synthesis, analysis and design of antennas, newest computer controlled measurement equipment, well equipped physical - chemical laboratory for climatic and mechanical testing according to MIL-STD-810F and computer aided design and manufacturing of filament wounded and pultruded composites are the facts, speaking about high quality and reliability of our products.

In this short form catalogue we representing you the most of our products with their very basic technical characteristics with the intention to introduce ourselves. When you will want to know more, we shall be very pleased to send you more informations with our general detailed catalogue or with our separate leaflets representing MOBILE, RADIOAMATEUR and MARINE antennas. You are also welcome at our web pages on www.trival-antennas-masts.com, where you could find the most updated informations. And even if you will not find what you need - call us - we shall try to do our best to find a solution for you.



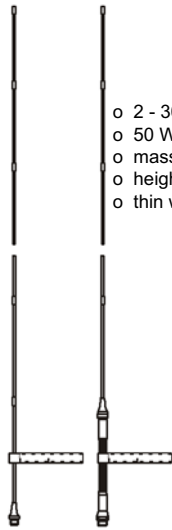
ANTENNA SELECTION GUIDE vs. FREQUENCY



wideband antenna - no matching or tuning required over specified frequency range
 narrowband antenna - exact frequency must be specified or antenna must be used with appropriate tuning unit

A-7142

antennas for HF manpack radios



- o 2 - 30 MHz
- o 50 W CW
- o mass max. 0.5 kg
- o height max. 3.2 m
- o thin wall metal tubes

KUA-35/7-T

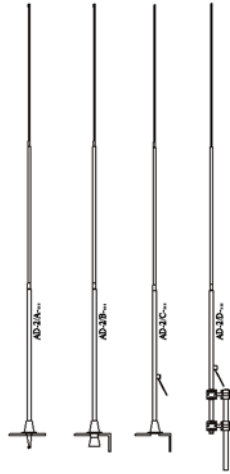
frequency adjustable wire HF dipole antenna



- o 2 - 30 MHz
- o 100 W CW
- o dipole length 2 x 34 m
- o mass 3 kg

AD-2/...

family of transceiving monopole antennas



- o 1,5 - 30 MHz
- o height 5 - 9 m
- o mass max. 10 kg

AD-26/C

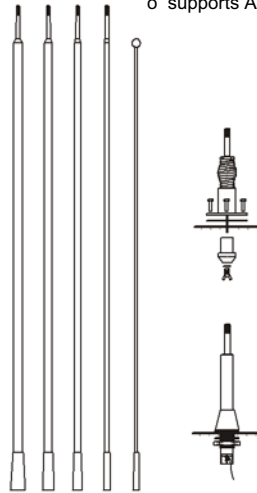
antenna for VHF manpack radios



- o 30 - 90 MHz
- o 50 W CW
- o mass max. 0.5 kg
- o height max. 3.2 m

AD-4

tubular mobile HF monopole antenna



- o 1,5 - 30 MHz
- o 400 W - 1 kW CW
- o height 3,6 - 6 m
- o supports AP-4

KUA-35/5

wideband transceiving HF antenna

- o 1,5 - 30 MHz
- o VSWR < 2,5 (50 ohm)
- o 1,5 kW CW
- o height 10 m
- o mass 67 kg

AD-26/CW

wideband antenna for portable radios

- o 30 - 90 (108) MHz
- o VSWR < 3 (50 ohm)
- o 5 W CW
- o mass 0,6 kg
- o height 2,6 m

AD-14-W/80

5-band wire HF radioamateur antenna

- o 3,5, 7, 14, (21), 28 MHz
- o VSWR < 2
- o 750 W CW
- o polarization H.
- o mass 1.4 kg

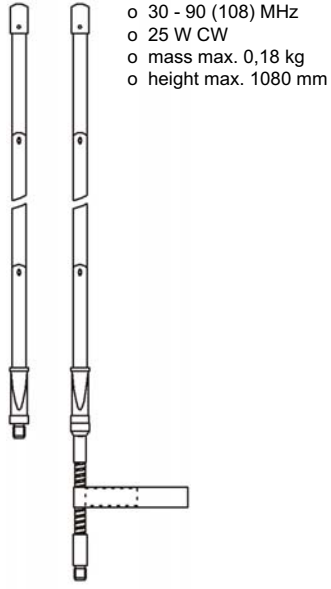
KUA-35/6

wideband HF dipole antenna

- o 2 - 30 MHz
- o VSWR < 3 (50 ohm)
- o 30, 100, 400, 1000 W CW

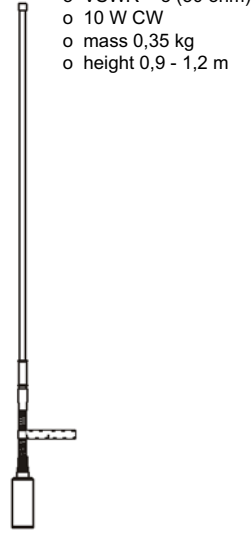
AD-25/C

antenna for VHF manpack radios



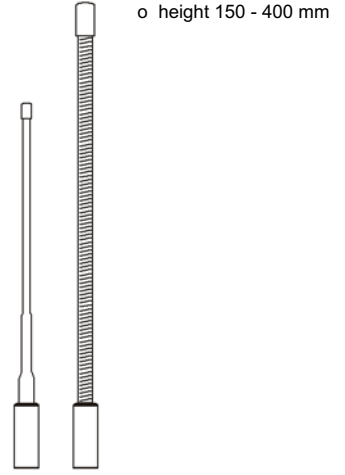
AD-25/CW

wideband antenna for portable radios



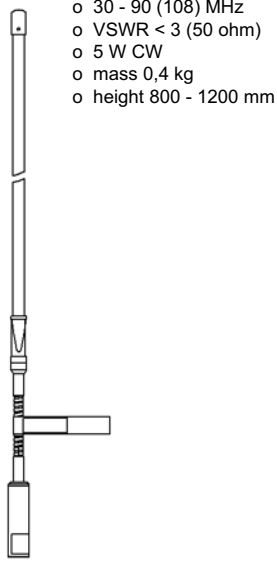
AD-44/BW...

wideband antenna for portable radios



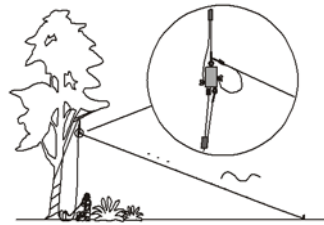
AD-44/CW

wideband antenna for portable radios



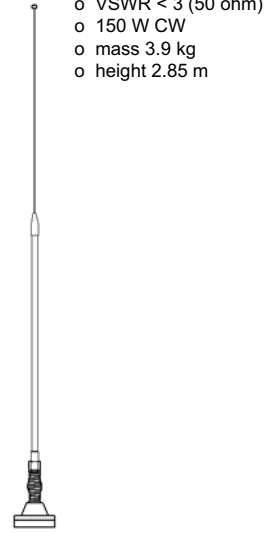
AD-52

VHF wideband wire directional antenna



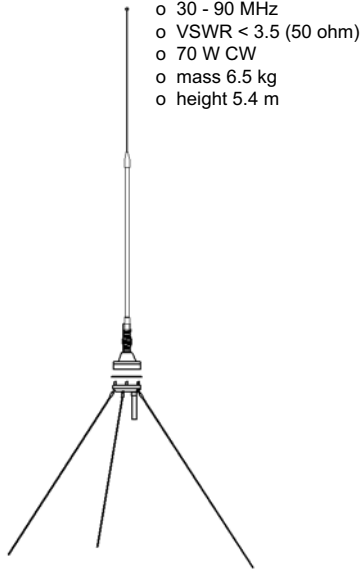
AD-18/D

wideband mobile VHF antenna



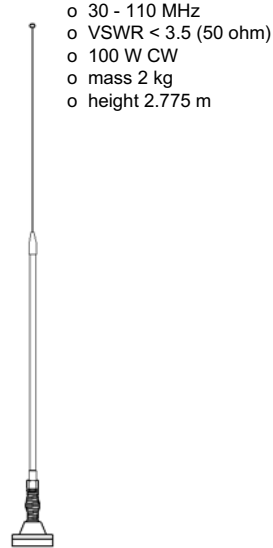
AD-18/D-GP

wideband GP VHF antenna



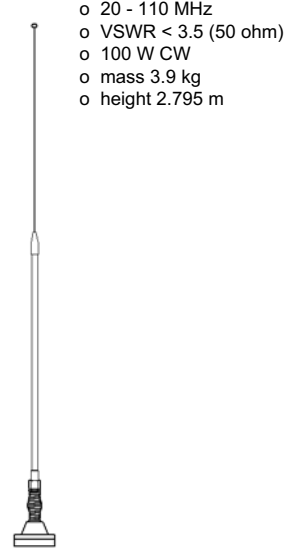
AD-18/D-110

wideband low-profile mobile VHF antenna



AD-18/D-2110


wideband mobile VHF antenna



AD-27/V120

wideband mobile VHF antenna


- o 30 - 90 (110) MHz
- o VSWR < 3.5 (50 ohm)
- o 100 W CW
- o mass 3.0 kg
- o height 1.2 m



AD-27/V190-3108

wideband mobile low profile VHF antenna

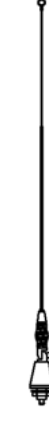
- o 30 - 110 MHz + GPS L1/L2
- o VSWR < 3,5 (50 ohm)
- o 75 W CW
- o mass 2.2 kg
- o height 1.95 m



AD-27/V170-350

wideband mobile low profile VHF antenna

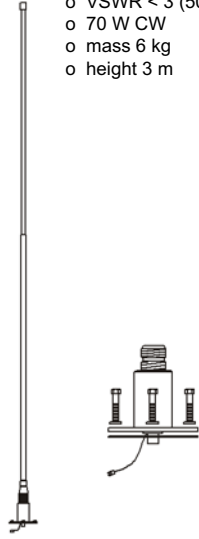
- o 30 - 50 MHz
- o VSWR < 3 (50 ohm)
- o 150 W CW
- o mass 1.3 kg
- o height 1.75 m



JAS-12/M

wideband marine/stationary VHF monopole

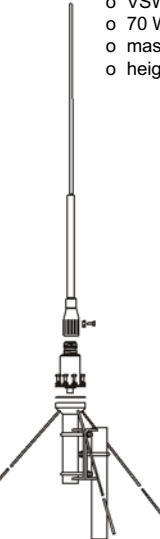
- o 30 - 90 MHz
- o VSWR < 3 (50 ohm)
- o 70 W CW
- o mass 6 kg
- o height 3 m



JAS-12/M-GP

wideband GP stationary VHF monopole

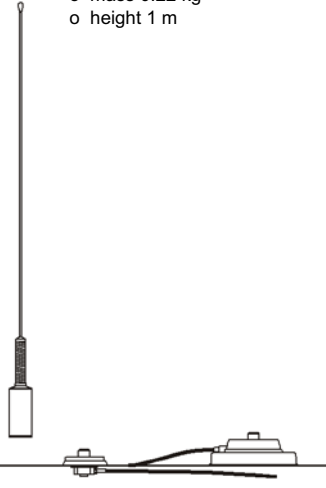
- o 30 - 90 MHz
- o VSWR < 3 (50 ohm)
- o 70 W CW
- o mass 8 kg
- o height 4 m



ADS-21/4-W

wideband mobile VHF antenna

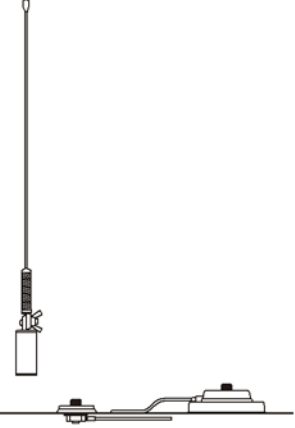
- o 66 - 88 MHz
- o VSWR < 3 (50 ohm)
- o 50 W CW
- o mass 0.22 kg
- o height 1 m



ADS-21/4-WB

wideband mobile VHF antenna

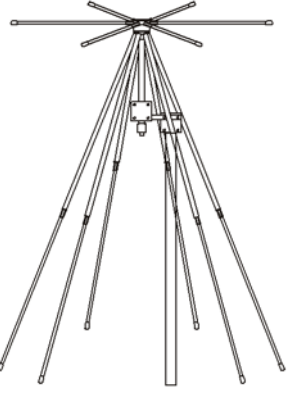
- o 30 - 90 MHz
- o VSWR < 3 (50 ohm)
- o 5 W CW
- o mass 0,2 kg
- o height 1 m



AD-17

wideband DISC-CONE antenna

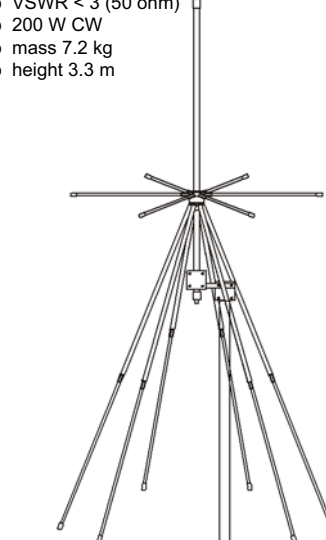
- o 30 - 90 MHz
- o VSWR < 3 (50 ohm)
- o 200 W CW
- o mass 6,1 kg
- o height 3 m



AD-17/B-110

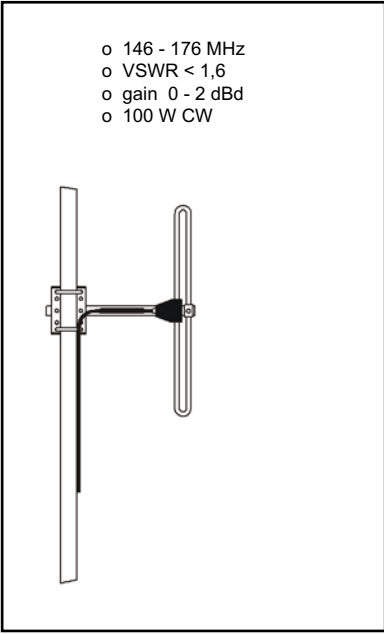
wideband DISC-CONE antenna

- o 30 - 110 MHz
- o VSWR < 3 (50 ohm)
- o 200 W CW
- o mass 7.2 kg
- o height 3.3 m



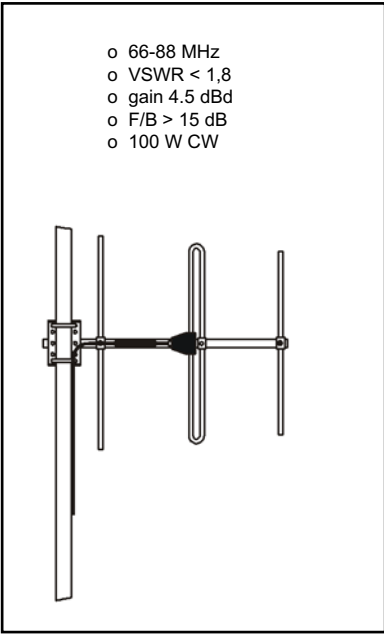
AD-39/2

folded dipole for 2 m band



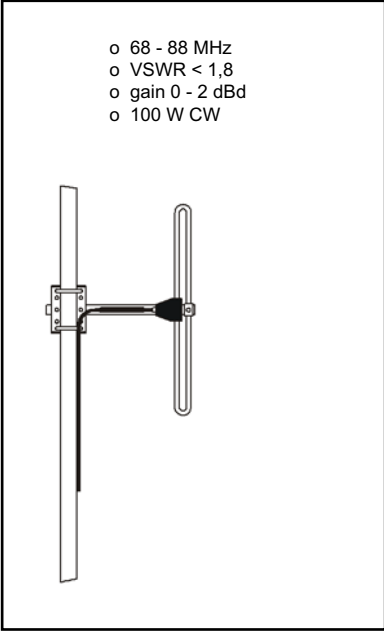
AD-40/4-3

3-element YAGI antenna for 4 m band



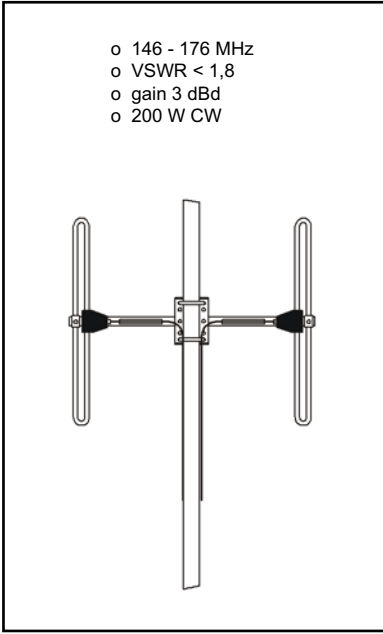
AD-39/4

folded dipole for 4 m band



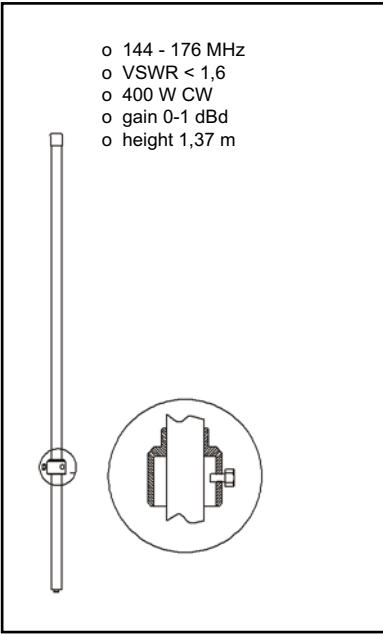
AD-38/2

double folded dipole for 2 m band



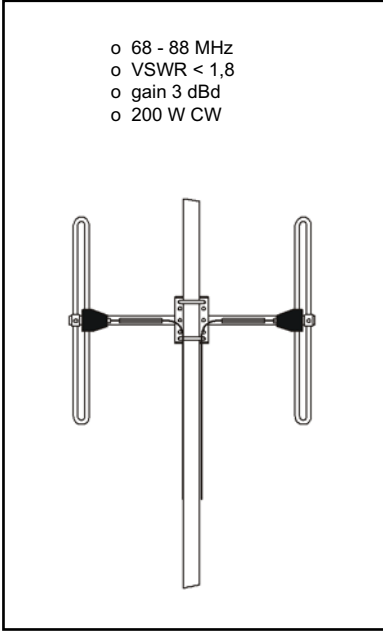
AD-11/G

wideband VHF dipole antenna



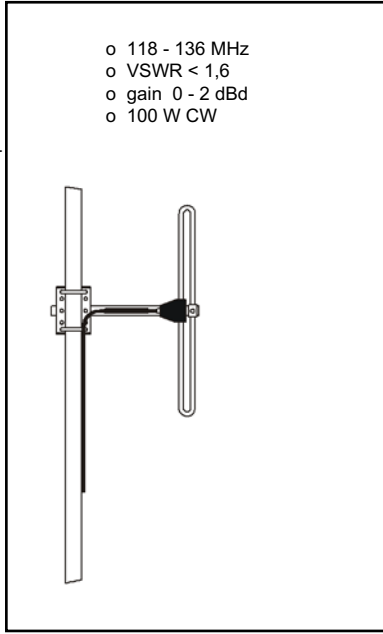
AD-38/4

double folded dipole for 4 m band



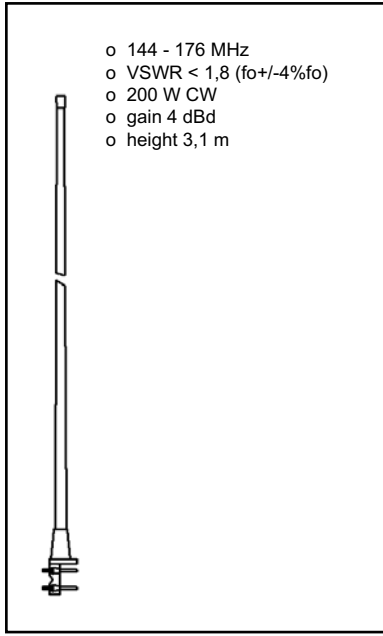
AD-39/2.3

folded dipole for 2.3 m band



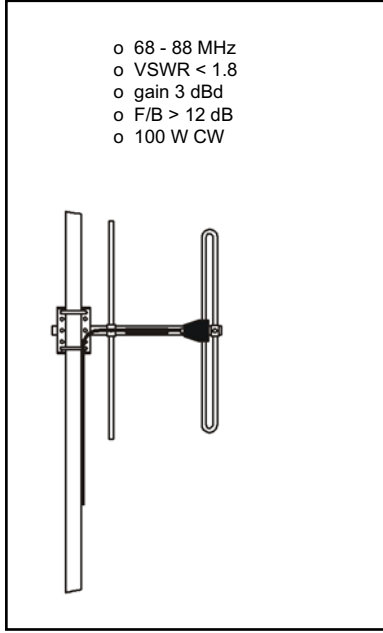
AD-23/2-2

VHF 2-element collinear antenna



AD-40/4-2

2-element YAGI antenna for 4 m band



AD-71/S

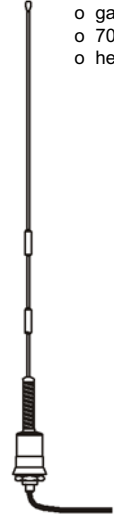
VHF marine dipole with swivel mount



- o 156 - 163 MHz
- o VSWR < 1,8
- o 50 W CW
- o height 1,5 m
- o mass 360 g

AD-32

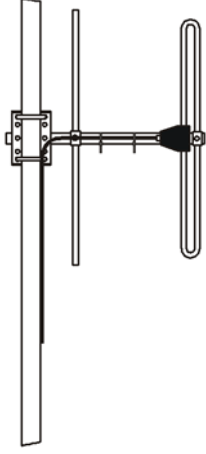
wideband mobile VHF antenna



- o 144 - 176 MHz
- o VSWR < 2
- o gain 1,5 dBd
- o 70 W CW
- o height 1025 mm

AD-40/2-2

2 element YAGI antenna for 2 m band



- o 144 - 176 MHz
- o VSWR < 1,6
- o gain 3 dBd
- o F/B > 14 dB
- o 100 W CW

AD-72/C

VHF marine collinear antenna



- o 156 - 163 MHz
- o VSWR < 2
- o 50 W CW
- o gain 3 dBd
- o height 2,4 m
- o mass 900 g

AD-44/BW-D

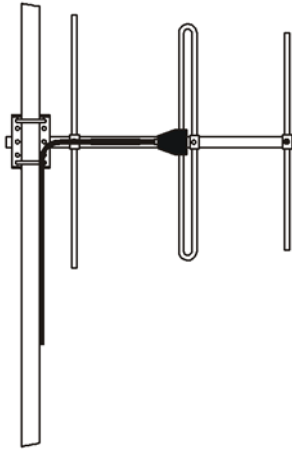
VHF handheld antenna



- o 138 - 176 MHz
- o VSWR < 2
- o 5 W CW
- o height 382 mm
- o mass 110 g

AD-40/2-3

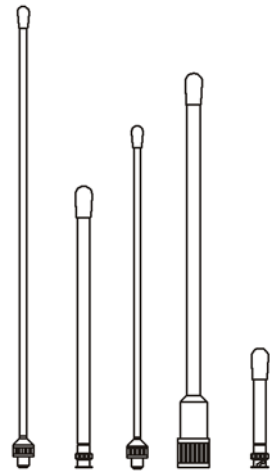
3 element YAGI antenna for 2 m band



- o 144 - 176 MHz
- o VSWR < 1,6
- o gain 5 dBd
- o F/B > 16 dB
- o 100 W CW

AD-20

antennas for handheld radios



AD-70/C

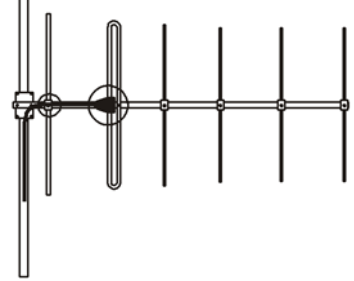
VHF marine end-fed dipole with console



- o 156 - 163 MHz
- o VSWR < 1,8
- o 50 W CW
- o height 0,9 m
- o mass 170 g

AD-40/2-6

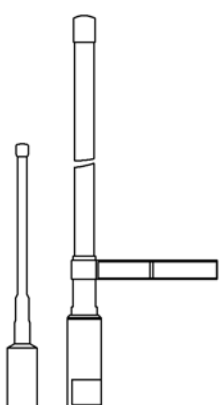
6 element YAGI antenna for 2 m band



- o 144 - 176 MHz
- o VSWR < 2
- o gain 8 dBd
- o F/B > 14 dB
- o 100 W CW

AD-44/.....-30-512


family of VHF/UHF handheld antennas



- o 30 - 512 MHz
- o VSWR < 3.5
- o 5 W CW
- o height 380 - 825 mm
- o mass 100 - 160 g
- o radiator whip flexible or tape

AD-25/CW-30-512


VHF/UHF manpack antenna



- o 30 - 512 MHz
- o VSWR < 3.5 (50 ohm)
- o 15 W CW
- o mass 0,35 kg
- o height 1,2 m

AD-10/S

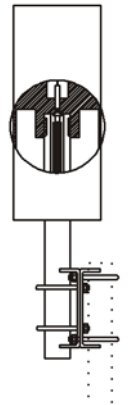
wideband VHF-UHF dipole antenna



- o 100 - 512 MHz
- o VSWR < 3
- o 400 W CW
- o height 1,2 m

AD-10/A

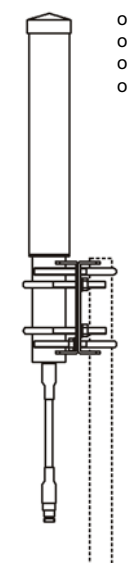
wideband UHF dipole antenna



- o 200 - 512 MHz
- o VSWR < 2
- o 200 W CW
- o height 630 mm

AD-10/B

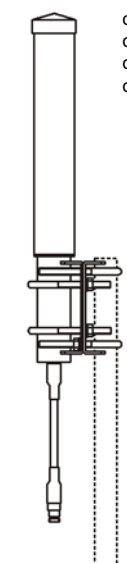
wideband UHF dipole antenna



- o 430 - 1000 MHz
- o VSWR < 2.5
- o 100 W CW
- o height 535 mm

AD-10/C

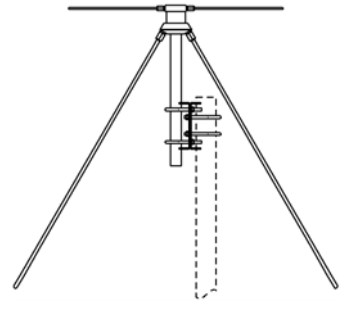
wideband UHF dipole antenna



- o 890 - 2000 MHz
- o VSWR < 3
- o 100 W CW
- o height 435 mm

AD-17/C-1512

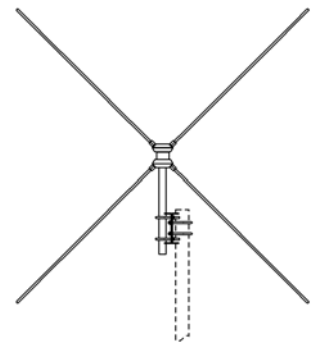
wideband VHF/UHF disc-cone antenna



- o 100 - 512 MHz
- o VSWR < 2.5
- o 500 W CW
- o height 900 mm
- o width 1000 mm

AD-35/A-1470

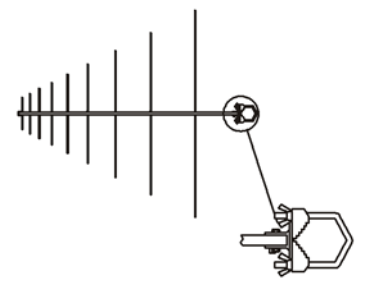
VHF/UHF libiconical antenna



- o 100 - 470 MHz
- o SWR < 2.5
- o GAIN 0 dBi
- o 500 W CW
- o height 1350 mm
- o width 1350 mm
- o mass 9.5 kg

AD-22/A

VHF-UHF log-periodic antenna

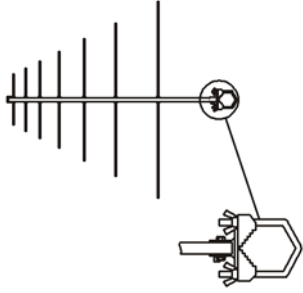


- o 100 - 470 MHz
- o VSWR < 2 (50 ohm)
- o 200 W CW
- o gain 4 dBd
- o mass 2,5 kg
- o length 1,2 m

AD-22/B

UHF log-periodic antenna

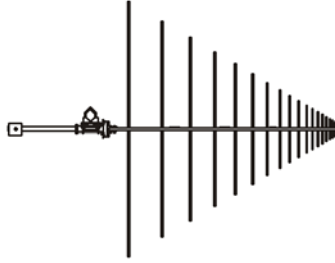
- o 225 - 470 MHz
- o VSWR < 2 (50 ohm)
- o 200 W CW
- o gain 5 dBd
- o mass 2 kg
- o length 1 m



AD-22/C

VHF-UHF log-periodic antenna

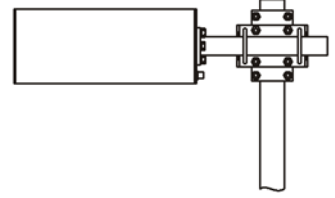
- o 80 - 1300 MHz
- o 50 ohm
- o SWR < 2,5
- o GAIN 4 - 7 dBd
- o F/B > 15 dB
- o length 2 m
- o width 1,8 m
- o 100 W CW
- o antenna mass 4.7 kg
- o counterweight 8.5 kg



AD-22/D

UHF log-periodic dipole antenna

- o 1300 - 2700 MHz
- o SWR < 2
- o GAIN 9 dBd
- o F/B > 18 dB
- o 25 W CW
- o length 450 mm
- o width 125 mm
- o mass 1.8 kg



AD-18/D-3512

VHF/UHF mobile antenna

- o 25 - 512 MHz
- o SWR < 3.5
- o GAIN -6...+0.5 dBi
- o 100 W CW
- o height 2.75 m
- o mass 4.0 kg



AD-18/D-3512-DF

VHF/UHF dual-fed mobile antenna

- o 30-88 & 225-512 MHz
- o SWR < 3.5
- o GAIN -6...+0.5 dBi
- o 100 W CW
- o height 2.75 m
- o mass 4.0 kg



AD-27/V150-3512

VHF/UHF mobile antenna

- o 30 - 512 MHz
- o SWR < 3.5
- o GAIN -8...+1.5 dBi
- o 100 W CW
- o height 1.5 m
- o mass 3.5 kg



AD-27/V150-3512-DF

VHF/UHF dual-fed mobile antenna

- o 30-88 & 225-512 MHz
- o SWR < 3.5
- o GAIN -8...+1.5 dBi
- o 100 W CW
- o height 1.5 m
- o mass 3.5 kg



AD-18/E

UHF wideband mobile antenna

- o 225 - 512 MHz
- o SWR < 2.5
- o GAIN -2...+2 dBi
- o 50 W CW
- o height 1 m
- o mass 2.75 kg



AD-18/F

VHF/UHF wideband mobile antenna

- o 108 - 512 MHz
- o SWR < 3.5
- o GAIN -4...+1 dBi
- o 100 W CW
- o height 1.5 m
- o mass 3 kg



AD-18/G-2210

UHF wideband mobile antenna



- o 225 - 1000 MHz
- o SWR < 3.5
- o GAIN typ. -10...+3 dBi
- o 50 W CW
- o height 1.2 m
- o mass 2.8 kg

AD-44/E

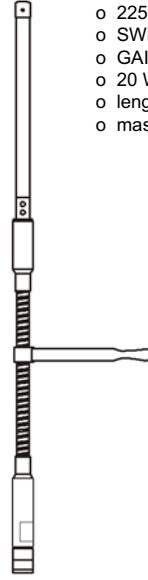
UHF wideband portable antenna



- o 225 - 512 MHz
- o SWR < 3
- o GAIN 0 dBi
- o 15 W CW
- o length 260 mm
- o mass 90 g

AD-44/E-CM

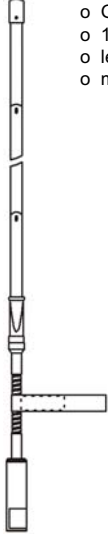
UHF center-fed manpack antenna



- o 225 - 512 MHz
- o SWR < 3,5
- o GAIN 0 dBi
- o 20 W CW
- o length 575 mm
- o mass 320 g

AD-65/A-1512

VHF/UHF manpack antenna



- o 100 - 512 MHz
- o SWR < 3
- o GAIN -6 ... +1 dBi
- o 15 W CW
- o length 670 mm
- o mass 250 g

AD-64/A

ultra-wideband UHF center-fed manpack antenna



- o 225 - 2000 MHz
- o VSWR < 3
- o gain typ. 0 dBi
- o height 600 mm
- o mass 0.45 kg

AD-64/B

ultra-wideband UHF center-fed manpack antenna



- o 225 - 1000 MHz
- o VSWR < 3
- o gain typ. 0 dBi
- o height 600 mm
- o mass 0.45 kg

AD-64/C

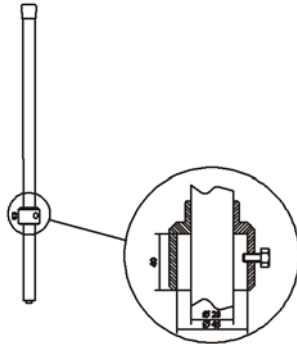
ultra-wideband UHF center-fed manpack antenna



- o 1000 - 2500 MHz
- o VSWR < 3
- o gain typ. 0 dBi
- o height 430 mm
- o mass 0.33 kg

AD-12/G

wideband UHF dipole antenna



- o 440-475 MHz
- o VSWR < 1,5
- o gain 0-1 dBd
- o 100 W CW
- o height 0,53 m
- o mass 1 kg

AD-23/07-4

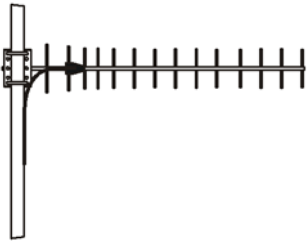
UHF collinear 4 element dipole



- o 390 - 480 MHz
- o VSWR < 1,8 (fo+/-4%fo)
- o 200 W CW
- o gain 6 dBd
- o height 2 m

AD-40/722-14

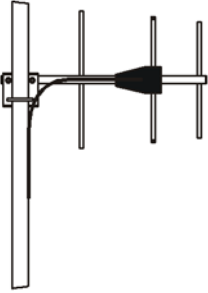
14-elements yagi antenna 698-746 MHz



- o 698 - 746 MHz
- o VSWR < 1,8
- o 50 W CW
- o gain 13 dBd
- o length 1,6 m

AD-40/07-3

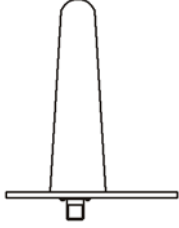
3 element YAGI antenna for 0,7 m band



- o 390 - 475 MHz
- o VSWR < 1,8
- o gain 5 dBd
- o F/B > 15 dB
- o 100 W CW

AD-24/A

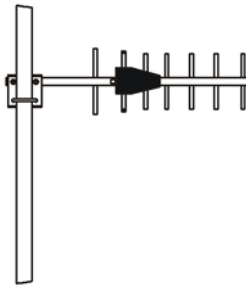
wideband UHF mobile monopole antenna



- o 430 - 470 MHz
- o VSWR < 1,5
- o 100 W CW
- o mass 0,6 kg

AD-40/35-7

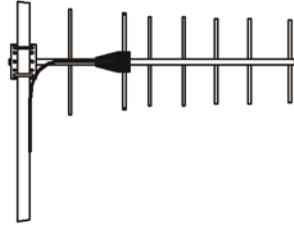
7-element yagi antenna for 900 MHz cordless phones



- o 810 - 920 MHz
- o VSWR < 1,6
- o 100 W CW
- o gain 8,5 dBd
- o length 0,64 m

AD-40/07-7

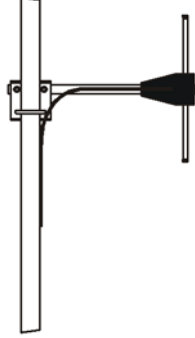
7 element YAGI antenna for 0,7 m band



- o 390 - 475 MHz
- o VSWR < 1,6
- o gain 8,5 dBd
- o F/B > 20 dB
- o 100 W CW

AD-39/07

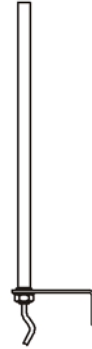
folded dipole for 0,7 m band



- o 390 - 480 MHz
- o VSWR < 1,8
- o gain 0 - 2 dBd
- o 100 W CW

AD-72/E

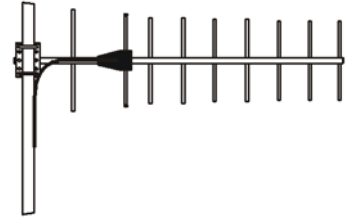
UHF marine collinear dipole



- o 890 - 960 MHz
- o VSWR < 1,8
- o 50 W CW
- o gain 4 dBd
- o height 0,5 m
- o mass 200 g

AD-40/07-9

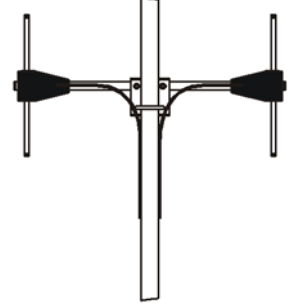
9-element YAGI antenna for 0,7 m band



- o 390 - 475 MHz
- o VSWR < 1,6
- o gain 10 dBd
- o F/B > 20 dB
- o 100 W CW

AD-38/07

double folded dipole for 0,7 m band

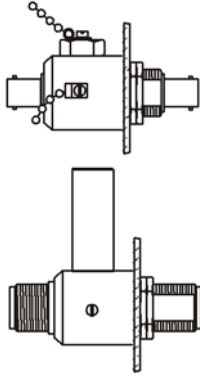


- o 390 - 480 MHz
- o VSWR < 1,8
- o gain 3 dBd
- o 200 W CW

ASP...; ASP-W

coaxial surge arrester - waterproof

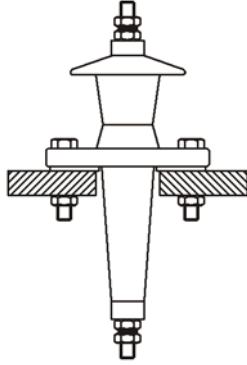
- o connectors Male-Female (N, TNC..)
- o impedance 50 ohm
- o frequency 0-2500 MHz
- o VSWR < 1,3
- o DC spark-over voltage ...350 V
- o discharge current ...20kA



UI-2

lead-through insulator

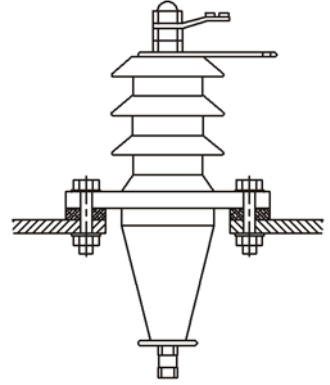
- o 20 kV RF
- o height 220 mm
- o mass 0,5 kg



UI-3

lead-through insulator for main marine antenna

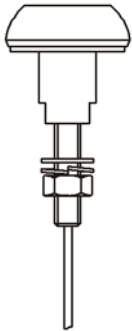
- o 20 kV RF
- o height 365 mm
- o mass 5 kg



AD-79/18D

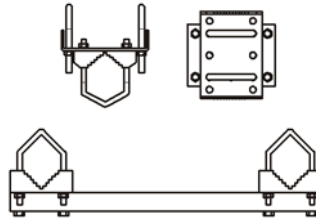
active receiving antenna for GPS

- o GPS L1 (1575.42 MHz)
- o VSWR < 2
- o gain 26 dBd
- o height 83 mm
- o mass 0.2 kg



CONSOLES

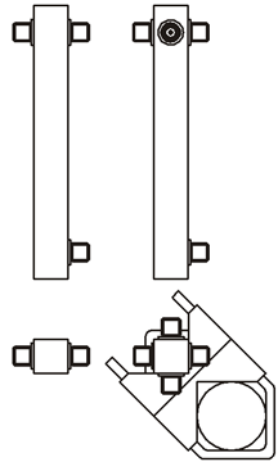
family of antenna mounting adapters



APS-38/...

family of antenna divider transformers

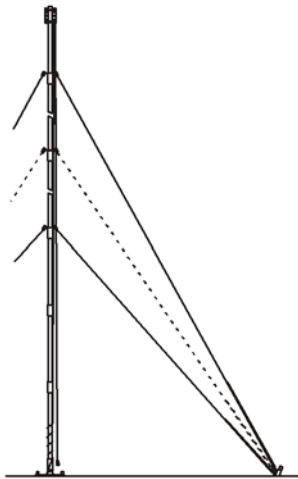
- o 4, 2, 0,7 m
- o VSWR < 1,3
- o 400 W CW



ST

tubular sectionalized masts

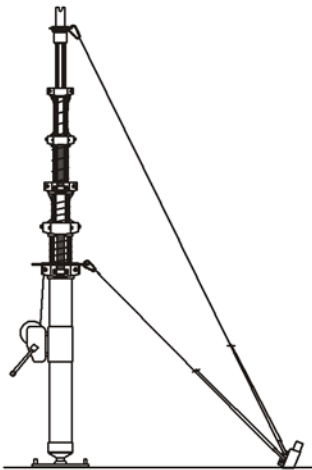
- o material: epoxy fiberglass
- o height: 5 - 12 m



STV

telescopic winch driven masts

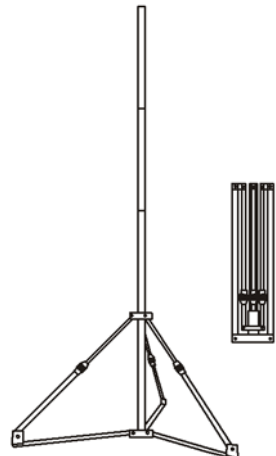
- o material: fiberglass
- o height: 8 - 18 m
- o load:35 kg



ST-R

foldable transportable mast

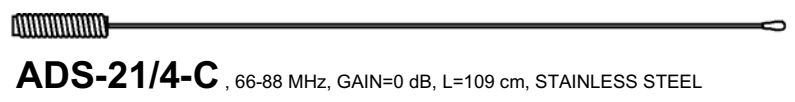
- o material: epoxy fiberglass
- o height: 4 - 6 m
- o mass 12 kg



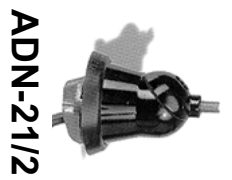
MOBILE ANTENNAS



ADN-21/1



ADS-21/4-C , 66-88 MHz, GAIN=0 dB, L=109 cm, STAINLESS STEEL



ADN-21/2



ADS-21/2-A , 144-176 MHz, GAIN=0 dB, L=47 cm, STAINLESS STEEL



ADS-21/2-B , 144-176 MHz, GAIN=0 dB, L=47 cm, STAINLESS STEEL



ADS-21/2-D , 144-176 MHz, GAIN=3 dB, L=135 cm, STAINLESS STEEL



ADM-21/MI6



ADS-21/207-B , 145/435 MHz (dualband), GAIN=0/3 dB, L=45 cm, STAINLESS STEEL



ADS-21/207-C , VHF/UHF (dualband), GAIN=0/3 dB, L=45 cm, STAINLESS STEEL



ADM-21/MA6



ADS-21/07-A , 380-480 MHz, GAIN=4 dB, L=56 cm, STAINLESS STEEL



ADS-21/07-B , 380-480 MHz, GAIN=3 dB, L=45 cm, STAINLESS STEEL



ADM-21/UHF



ADS-21/07-D , 380-480 MHz, GAIN=0 dB, L=14 cm, STAINLESS STEEL

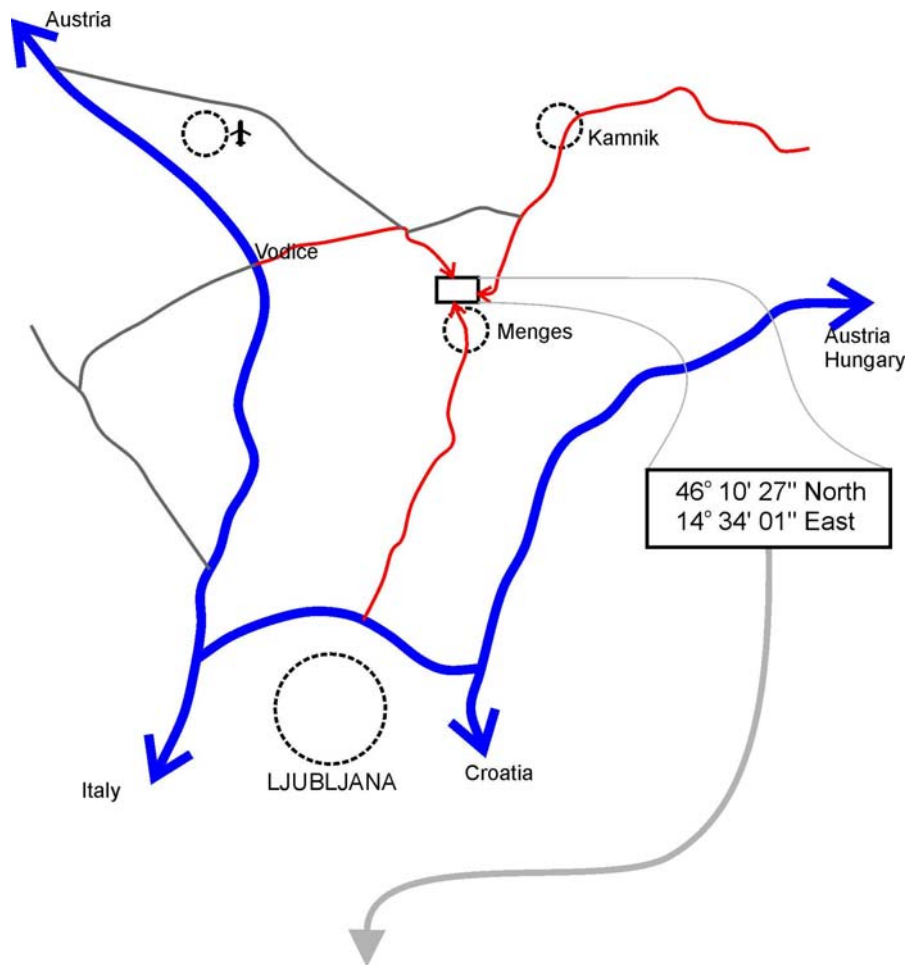


ADN-21/UHF



ADS-21/35-A , 890-960 MHz, GAIN=4 dB, L=32 cm, STAINLESS STEEL

Where we are...



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