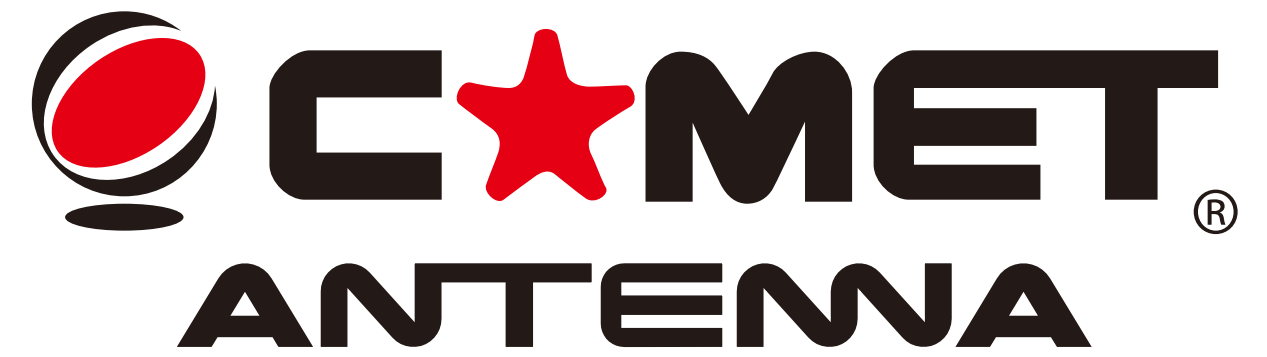




Driven to Perform, In STYLE!



1.8-500MHz対応 Standing Wave Analyzer

CAA-500 Mark II

- Frequency Range: 1.8-500 MHz
- Measured SWR Range: Analog 1.0-6.0 LCD 1.0-9.9
- Impedance Range: 12.5-300 Ohms
- Resistance Range: 10-500 Ohms
- Reactance Range: 0-500 Ohms
- RF Connectors: VHF: SO239 type UHF: N type
- Power Source: 6 x AA (Alkaline) or Ni-MH Cells
- Dimension: 89x196x70 (mm)
- Weight: Approx. 800g

Comet Co., Ltd.

Head Office 4-18-2 Tsuji, Minami Ku, Saitama City,
Saitama Pref 336-0026
TEL 048-839-3131 FAX 048-839-3136

Branches ● Sapporo ● Sendai ● Osaka

<http://www.comet-ant.co.jp/>

※The contents of this catalog are as on November 2012. Part of the specifications and prices may change for the purposes of improvement without notice.

※The contents of the diagrams of directional and SWR characteristics within the catalog may change depending on the conditions or location in which it is installed.

※Please contact our Head Office Engineering Department for Special Order Products.

Wireless LAN CHL/SUPER SLIM SERIES

Wireless LAN

Mobile

Handheld

Fixed Type

Cables

Antenna Base

Accessories

Wireless LAN

Mobile

Handheld

Fixed Type

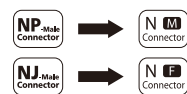
Cables

Antenna Base

Accessories



US Marines M2C2 Vehicle (Photo by Pfc. Daniel Boothe)



N type Male connector

N type Female connector

For Mobiles 2.4GHz band IEEE802.11 standard Comet Antenna's: Assisting in the development of a Wireless LAN environment

SF-D245
SF-245W
SF-245SPR

- Weight: 70g
- Antenna Type: 1/2λ 2-step Collinear Type
- Usage: For 2.4GHz band data transmission
- Frequency: 2400~2497MHz
- Impedance: 50Ω
- SWR: Less than 1.5
- Gain: 5.0dBi



SF-D245
SF-245W



SF-245SPR



Length: SF-D245/SF-245SPR 0.485m
SF-245W 0.450m

CFA-245
CFA-245W(White)

- Weight: 70g
- Antenna Type: 5/8λ 2-step type
- Usage: For 2.4GHz band data transmission
- Frequency: 2400~2497MHz
- Impedance: 50Ω
- SWR: Less than 1.5
- Gain: 4.0dBi

CFA-245
CFA-245W(White)
Length: 0.25m



5GHz band

- SF-D53N
- Weight: 70g
- Gain: 5.5dBi
- Antenna Type: 1/2λ 3-step
- SF-D52N
- Weight: 60g
- Gain: 4dBi
- Antenna Type: 1/2λ 2-step

SF-D53N



SF-D52N



Length: SF-D53N 0.18m
SF-D52N 0.15m



2.4GHz band

For Non-directional
Fixed Base Station

- Weight: 1.16kg
- Antenna Type: λ/2 Coaxial Intersection Type 22-step type
- Usage: For 2.4GHz band data transmission
- Frequency: 2400~2497MHz
- Impedance: 50Ω
- SWR: Less than 1.5
- Survival Wind Speed: 60m/sec.
- Max Power: 50W
- Gain: 15dBi Type



GP-D2422
GP-D2422-3(3° Tilt)
Length: 1.78m



- Weight: 750g
- Antenna Type: λ/2 Coaxial Intersection Type 13-step type
- Usage: For 2.4GHz band data transmission
- Frequency: 2400~2497MHz
- Impedance: 50Ω
- SWR: Less than 1.5
- Survival Wind Speed: 60m/sec.
- Max Power: 50W
- Gain: 9dBi



GP-D2413
Length: 1.08m



144/430MHz Dual Band

Reliable Transmission: High-tech Dual Bander

CHL

- Weight: 150g
- Frequency: 144MHz: 1/2λ 430MHz: 5/8λ
- Wide Reception: 100~170, 350~470MHz
- Max Power: 144/120W 430/100W
- Foldable
- Repeater Capable
- D-STAR Compatible



CHL-19



Length: 0.68m

144MHz: 2.15dBi Non-radial
430MHz: 4.15dBi Non-radial

- Weight: 210g
- Frequency: 144MHz: 1/2λ 430MHz: 5/8λ 2-step
- Max Power: 200W
- Wide Reception: 100~170, 350~470MHz
- Foldable
- Repeater Capable
- Color: Silver (S), Black (B)
- D-STAR Compatible



CHL-25S



CHL-25B



Length: 0.98m

144MHz: 2.15dBi Non-radial
430MHz: 5.5dBi Non-radial

- Weight: 330g
- Frequency: 144MHz: 1/2λ 430MHz: 5/8λ 2-step
- Wide Reception: 100~170, 350~470MHz
- Max Power: 144/200W 430/200W
- Foldable
- Repeater Capable
- D-STAR Compatible



CHL-250H



Length: 0.95m

144MHz: 3.0dBi Non-radial
430MHz: 5.5dBi Non-radial

- Weight: 430g
- Frequency: 144MHz: 1/2λ 430MHz: 5/8λ 2-step
- Max Power: 250W
- Wide Reception: 100~170, 350~470MHz
- Foldable
- Repeater Capable
- D-STAR Compatible



CHL-2510



Length: 1.0m

144MHz: 3.0dBi Non-radial
430MHz: 5.5dBi Non-radial

144/430MHz Dual Band Slim Mobile Antenna

※"SB" refers to the black model

- Weight: 95g
- Gain: 144MHz 1.5dBi, 430MHz 2.15dBi
- Max Power: 60W
- D-STAR Compatible



SS390S



SS390SB



Length: 0.39m

144/430MHz 430MHz Non-radial

- Weight: 78g
- Gain: 144MHz 1.5dBi, 430MHz 2.15dBi
- Max Power: 60W
- D-STAR Compatible



SS400



Length: 0.40m

144/430MHz 430MHz Non-radial

- Weight: 93g
- Gain: 144MHz 2.15dBi, 430MHz 3.8dBi
- Max Power: 60W
- D-STAR Compatible



SS460S



SS460SB



Length: 0.46m

144/430MHz 430MHz Non-radial

- Weight: 115g
- Gain: 144MHz 2.15dBi, 430MHz 4.15dBi
- Max Power: 80W
- D-STAR Compatible



SS680S



SS680SB



Length: 0.68m

144/430MHz 144MHz/430MHz Non-radial

- Weight: 95g
- Gain: 144MHz 2.15dBi, 430MHz 5dBi
- Max Power: 80W
- D-STAR Compatible



SS780S



SS780SB



Length: 0.78m

144/430MHz 144MHz/430MHz Non-radial

SUPER BEAM/SB SERIES SB/CA SERIES

Wireless LAN

Mobile

Handheld

Fixed Type

Cables

Antenna Base

Accessories

144MHz/430MHz Non-radial

SUPER BEAM®

- Weight: Approx. 325g
- Frequency: 144MHz: 1/2λ, 430MHz: 5/8λ 2-step
- Gain: 144MHz: 3.6dBi, 430MHz: 6.1dBi
- Max Power: 150W
- D-STAR Compatible



CSB7500 
Length: 1.06m
144/430MHz Non-radial

- Weight: Approx. 345g
- Frequency: 144MHz: 5/8λ, 430MHz: 5/8λ 2-step
- Gain: 144MHz: 4.4dBi, 430MHz: 6.9dBi
- Max Power: 150W
- D-STAR Compatible



CSB7700 
Length: 1.27m
144/430MHz

- Weight: Approx. 465g
- Frequency: 144MHz: 7/8λ, 430MHz: 5/8λ 3-step
- Gain: 144MHz: 5.1dBi, 430MHz: 7.7dBi
- Max Power: 150W
- D-STAR Compatible



CSB7900 
Length: 1.58m
144/430MHz Non-radial

144/430MHz Dual Band

- Weight: 80g
- Frequency: 144MHz: 1/4λ, 430MHz: 1/2λ
- Max Power: 60W (FM)
- Wide Reception: 100~170, 350~470MHz
- Repeater Capable
- D-STAR Compatible



SB0 
SBB0 
Length: 0.31m
144MHz: 2.15dBi / 430MHz: 2.15dBi Non-radial

- Weight: 100g
- Frequency: 144MHz: 1/4λ, 430MHz: 1/2λ
- Max Power: 60W (FM)
- Wide Reception: 100~170, 350~470MHz
- Repeater Capable
- D-STAR Compatible



SB1 
SBB1 
Length: 0.41m
144MHz: 1.5dBi / 430MHz: 2.15dBi Non-radial

- Weight: 105g
- Frequency: 144MHz: 1/4λ, 430MHz: 5/8λ C Phase
- Max Power: 60W (FM)
- Wide Reception: 100~170, 350~470MHz
- Repeater Capable
- D-STAR Compatible



SB2 
SBB2 
Length: 0.46m
144MHz: 2.15dBi / 430MHz: 3.8dBi Non-radial

- Weight: 140g
- Frequency: 144MHz: 1/2λ, 430MHz: 5/8λ 2-step
- Max Power: 60W (FM)
- Wide Reception: 100~170, 350~470MHz
- Foldable ●Repeater Capable
- D-STAR Compatible



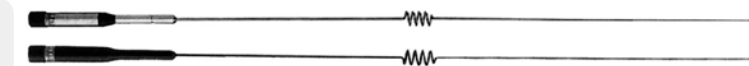
SB3 
SBB3 
Length: 0.66m
144MHz: 2.15dBi Non-radial / 430MHz: 5.0dBi Non-radial

- Weight: 135g
- Frequency: 144MHz: 1/2λ, 430MHz: 5/8λ 2-step
- Max Power: 60W (FM)
- Wide Reception: 100~170, 350~470MHz
- Foldable ●Repeater Capable
- D-STAR Compatible



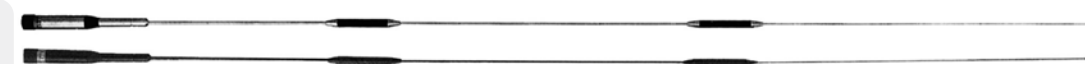
SB4 
SBB4 
Length: 0.92m
144MHz: 3.0dBi Non-radial / 430MHz: 5.5dBi Non-radial

- Weight: 170g
- Frequency: 144MHz: 1/2λ, 430MHz: 5/8λ 2-step
- Max Power: 120W (FM)
- Wide Reception: 100~170, 350~470MHz
- Foldable ●Repeater Capable
- D-STAR Compatible



SB5 
SBB5 
Length: 0.95m
144MHz: 3.0dBi Non-radial / 430MHz: 5.5dBi Non-radial

- Weight: 230g
- Frequency: 144MHz: 6/8λ C Phase, 430MHz: 5/8λ 3-step
- Max Power: 70W (FM)
- Wide Reception: 100~170, 350~470MHz
- Foldable ●Repeater Capable
- D-STAR Compatible



SB7 
SBB7 
Length: 1.38m
144MHz: 4.5dBi Non-radial / 430MHz: 7.2dBi Non-radial

50/144/430MHz Triple Band

- Weight: 300g
- Frequency: 50MHz: 1/4λ short, 144MHz: 1/2λ C Phase, 430MHz: 5/8λ C Phase
- Max Power: 120W (FM)
- Foldable ●Repeater Capable
- D-STAR Compatible



SB14 
Length: 1.08m
50MHz: 2.15dBi / 144MHz: 3.5dBi Non-radial
430MHz: 6.0dBi Non-radial

- Weight: 410g
- Frequency: 50MHz: 1/4λ, 144MHz: 6/8λ C Phase, 430MHz: 5/8λ 3-step
- Max Power: 120W (FM)
- Foldable ●Repeater Capable
- D-STAR Compatible



SB15 
Length: 1.53m
50MHz: 2.15dBi / 144MHz: 4.5dBi
430MHz: 7.2dBi

430MHz Mono Band

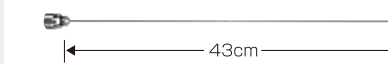
- Weight: 100g
- Frequency: 430MHz: 1/2λ
- Max Power: 60W (FM)
- Wide Reception: 350~470MHz
- Repeater Capable
- D-STAR Compatible



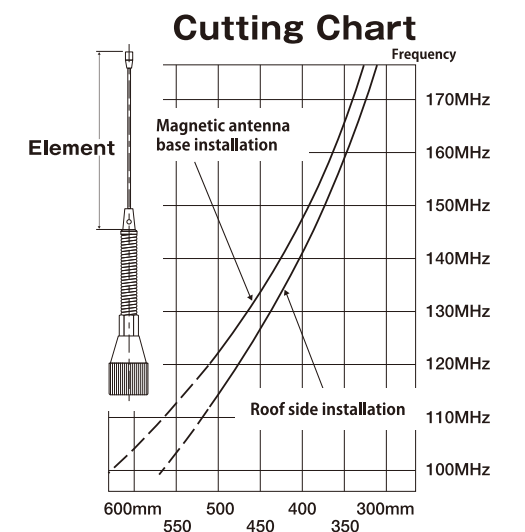
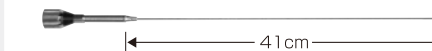
SB41 
Length: 0.4m
430MHz: 2.15dBi Non-radial

144~170MHz Mono Band

- CA-144
- Max Power: 140W (SSB)
- Length: 46cm
- Connector: M-P



- CA-150S
- Length: 51cm
- Connector: M-P



Element length (Standard element length is 440m) ※Size will vary depending on the position and method of installation

- Weight: 365g
- Frequency: 144MHz: 1/2λ
- Max Power: 160W
- Wide Reception: 100~170MHz
- D-STAR Compatible



Suitable for hunting/outdoor activities

CA-212H 
Length: 1.0m
144MHz: 2.15dBi Non-radial

50/144MHz Dual Band

- Weight: 270g
- Frequency: 50MHz: 1/4λ, 144MHz: 5/8λ
- Max Power: 300W
- Wide Reception: 100~170MHz
- Foldable
- D-STAR Compatible



CA-285 
Length: 1.32m
50MHz: 0dBi / 144MHz: 3.5dBi

144/430MHz Dual Band

- Weight: 520g
- Frequency: 144MHz: 5/8λ 2-step
430MHz: 5/8λ 4-step
- Max Power: 120W(SSB)
- Wide reception 100~170MHz, 350~470MHz
- Repeater Capable
- D-STAR Compatible
- Foldable

24KG 
Length: 2.06m 144MHz: 6.0dBi
430MHz: 8.4dBi

- Weight: 215g
- Frequency: 144MHz: 1/2λ
430MHz: 5/8λ 2-step
- Max Power: 60W FM
- Wide reception 100~170MHz, 350~470MHz
- Repeater Capable
- Survival Wind Speed: 60m/sec
- D-STAR Compatible

Fiber Glass Rod!
Suitable for mobiles/verandah

VM-1 
Length: 1.05m 144MHz: 3dBi Non-radial
430MHz: 5.5dBi Non-radial

- Weight: 285g
- Frequency: 144MHz: 5/8λ
430MHz: 5/8λ 3-step
- Max Power: 150W
- Wide reception 140~160MHz, 430~465MHz
- Repeater Capable
- D-STAR Compatible

CA2X4SR 
Length: 1.02m 144MHz: 3.8dBi Non-radial
430MHz: 6.2dBi Non-radial

HF/50/144/430MHz Multi Band



- Weight: 630g
- Max Power: 28~29MHz 120W(SSB) 50MHz 200W(SSB)
- Repeater Capable
- Foldable
- The 28~29/50MHz band covers the entire bandwidth through the use of an independent adjustment system

UHV-4 
Length: 1.39m
28,50MHz 1/4λ 0dBi
144MHz 1/2λ Non-radial 2.15dBi
430MHz 5/8λ 2-step Non-radial 5.5dBi

HF/50/144/430MHz Multi Band



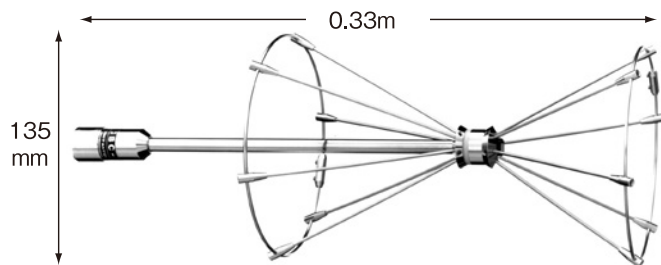
- Weight: 540~730g
- Max Power: 7~28MHz 120W(SSB) 50/144MHz/430MHz 200W(SSB)
- Foldable
- D-STAR Compatible
- Optional 14/18MHz coils available ※

UHV-6 
Length: 1.9m(MAX)
(When 7MHz band coil is installed)
7.21, 28MHz 1/4λ 0dBi
50MHz 1/4λ 2.15dBi
144MHz 1/2λ 2.15dBi 430MHz 5/8λ 2-step 5.5dBi

※Optional Parts
L-14 Coil for 14MHz band
L-18 Coil for 18MHz band

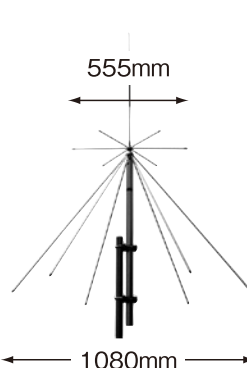
Wide band biconical

The Biconical Antenna allows for clear transmission and reception with minimal QSB

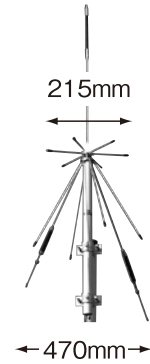


CBC-70 
Length: 0.33m 430MHz: 6.0dBi Non-radial
●Weight: 220g ●Max Power: 300W(FM) ●Frequency 430MHz: Biconical
●Opening diameter: 135mm ●Wide reception 350~480MHz
●Repeater Capable ●D-STAR Compatible

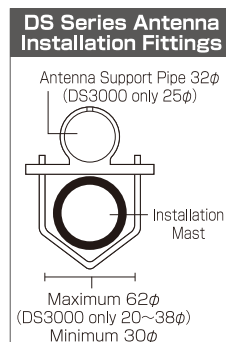
Discone Antennas capable of wide band transmission and reception



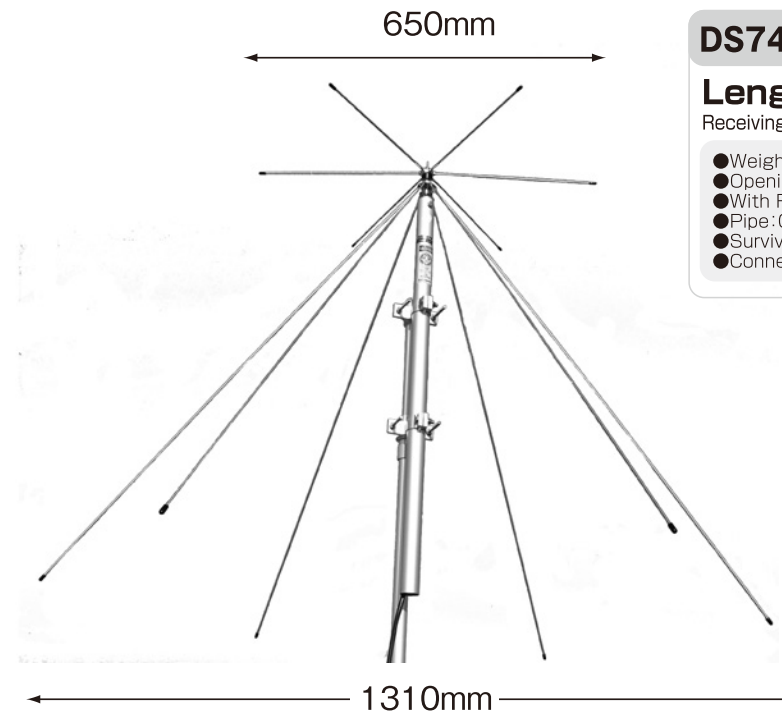
DS150S 
Length: 1.4m
Receiving frequency: 25~1500MHz
Transmission frequency: 50&144~1300MHz
●Weight: 1.45kg ●Max Power: 100W(FM)
●Gain: 2.15dBi
●Opening diameter: 1080mm
●With RG58 A/U 20m
●Repeater Capable
●Survival Wind Speed: 40m/sec



DS3000 
Length: 0.86m
Receiving frequency: 75MHz~3GHz
Transmission frequency: 144MHz~1.2GHz
●Weight: 690g ●Max Power: 50W
●Gain: 1.44MHz 2.15dBi
430MHz 3dBi/903MHz 3dBi
1200MHz 3dBi
●Opening diameter: 470mm
●With RG58A/U 10m
●Repeater Capable
●Survival Wind Speed: 40m/sec



Reliably capture signals from the skies above: VHF/UHF Air Band Exclusive Dual Antennas



DS747PRO 
Length: 0.84m
Receiving frequency: 108~900MHz
●Weight: 1.88kg ●Gain: 2.15dBi
●Opening diameter: 1310mm
●With RG58 A/U 20m
●Pipe: 0.75m
●Survival Wind Speed: 40m/sec
●Connector: M

AB-35HS  **AB-35H** 
Length: Approx. 37cm Receiving frequency VHF: 118~135MHz UHF: 230~360MHz
●Weight: 32g
●Connector: SMA/BNC

AB-35W 
Length: Approx. 35cm Receiving frequency VHF: 118~135MHz UHF: 230~360MHz
●Weight: 56g
●Connector: BNC

AB-1230H (Handheld) 
Length: Approx. 30cm Receiving frequency VHF: 108~140MHz UHF: 220~400MHz
●Weight: 30g
●Impedance: 50Ω
●Connector: BNC

AB-1230M (Mobile) 
Length: Approx. 58cm Receiving frequency VHF: 108~140MHz UHF: 220~400MHz
Gain: VHF2.15/UHF3.0dBi Wave: VHF1/4λ/UHF3/8λ
Max Power: 80W TX Frequency Range: VHF126±1.5MHz/UHF270±5MHz
●Weight: 140g
●Impedance: 50Ω
●Connector: M

AB-380 
Length: 1.17m
Receiving frequency VHF: 108~140MHz
UHF: 220~400MHz
Gain: VHF3.0/UHF4.5dBi
Wave: VHF1/2λ/UHF5/8λx2 step
Max Power: 50W
TX Frequency Range: VHF126±1.5MHz/UHF350~390MHz
●Weight: 520g
●Impedance: 50Ω
●Connector: M
●With installation antenna base (Mast pole diameter 10~50φ)
●RG58A/U 10m

HF Mono-band

HR Series (Center Loading Type)

HR3.5  Length:2.23m Weight:525g 3.5MHz1/4λ Center Loading ●Frequency:3.5MHz ●Foldable ●Max Power:120W SSB/50W(FM)	HR7  Length:2.13m Weight:490g 7MHz1/4λ Center Loading ●Frequency:7MHz ●Foldable ●Max Power:120W SSB	HR14  Length:2.13m Weight:500g 14MHz1/4λ Center Loading ●Frequency:14MHz ●Foldable ●Max Power:200W SSB	HR18  Length:2.13m Weight:480g 18MHz1/4λ Center Loading ●Frequency:18MHz ●Foldable ●Max Power:200W SSB/100W FM	HR21  Length:2.13m Weight:490g 21MHz1/4λ Center Loading ●Frequency:21MHz ●Foldable ●Max Power:200W SSB	HR28  Length:2.13m Weight:480g 28MHz1/4λ Center Loading ●Frequency:28MHz ●Foldable ●Max Power:200W SSB	HR50  Length:2.13m Weight:490g 50MHz1/2λ 2.15dBi Non-radial ●Frequency:50MHz ●Foldable ●Max Power:200W SSB
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HFB Series (Base Loading Type)

HFB-80  Length:1.55m ●Weight:400g ●Frequency:3.5MHz ●Max Power:120W pep	HFB-40  Length:1.6m ●Weight:340g ●Frequency:7MHz ●Max Power:250W pep	HFB-30  Length:1.06m ●Weight:250g ●Frequency:10MHz ●Max Power:250W pep	HFB-20  Length:0.96m ●Weight:220g ●Frequency:14MHz ●Max Power:250W pep	HFB-17  Length:0.96m ●Weight:210g ●Frequency:18MHz ●Max Power:250W pep
HFB-15  Length:0.96m ●Weight:210g ●Frequency:21MHz ●Max Power:250W pep	HFB-12  Length:0.96m ●Weight:210g ●Frequency:24MHz ●Max Power:250W pep	HFB-10  Length:0.96m ●Weight:200g ●Frequency:28~29MHz ●Max Power:250W pep	HFB-6  Length:0.96m ●Weight:200g ●Frequency:50MHz ●Max Power:250W pep	

Handheld Antennas for Digital Convenience Radios

●Weight:41.5g ●Frequency:351MHz band
 ●Max Power:5W (FM) ●Gain:2.15dBi (1/4λ), 3.0dBi (1/2λ) ●Connector:SMA



- Enjoy both operations through the removal and attachment of the element.
- Flexibility in movement achieved by removing the cap and connecting the element when operating the 1/2λ(Length 41cm). Cap included for when operating the 1/4λ(Length 22cm).

●Weight:28g ●Frequency:351MHz band
 ●Max Power:5W
 ●Gain:1.5dBi (1/4λ) ●Connector:SMA
 ●Impedance:50Ω



PDH351-02 
Length:23cm
 351MHz Handheld Antenna

●Weight:32g ●Frequency:351MHz band
 ●Max Power:5W
 ●Gain:2.15dBi (1/2λ) ●Connector:SMA
 ●Impedance:50Ω



PDH351-04 
Length:40cm
 351MHz Handheld Antenna

CH Series

The CH Series are the best-selling handheld antenna series of which, in addition to having superb transmission and reception performance on the ham band, has gained a strong reputation in wide band reception

144/430/900MHz Triple Band

●Weight:34g (CH-300FXS) · 38g (CH-350FXB)
 ●Frequency:144/430/900MHz ●Max Power:10W (FM)
 ●Wide Reception 100~170,350~470,840~980MHz
 ●Gain:1.2/1.7/3.4dBi ●Repeater Capable ●D-STAR Compatible

144/430MHz Dual Band

●Weight:42g (CH-600FXS) · 45g (CH-700FXB)
 ●Frequency:144/430MHz ●Max Power:10W (FM)
 ●Wide Reception 100~170,350~470,840~980MHz
 ●Gain:1.5/3.2dBi ●Repeater Capable ●D-STAR Compatible

144/430MHz Dual Band

●Weight:43g ●Frequency:144/430MHz ●Max Power:20W (FM)
 ●Wide Reception 100~170,350~470,840~980MHz
 ●Gain:1.44MHz:0dBi 430MHz:3.2dBi ●Repeater Capable
 ●D-STAR Compatible

Wide Band Telescopic Antennas

●Weight:65g ●Frequency:70MHz~1000MHz
 ●Max Power:10W (144/430MHz) ●Wide Reception
 ●Gain:2.15dBi ●Repeater Capable ●D-STAR Compatible

●Weight:60g ●Frequency:25MHz~1300MHz
 ●Wide Reception ●Gain:1.50dBi
 ●For Reception Only

V/UHF Railroad Radio Exclusive Antenna

●Weight:Approx. 50g
 ●Frequency:VHF:142~149MHz UHF:336~400MHz

144/430MHz Dual Band Soft Rubber Type

CH209 ●Weight:19g ●Frequency:144/430MHz
 ●Max Power:5W (FM) ●Supports 300MHz Reception
 SMA209 ●Weight:20g ●Frequency:144/430MHz
 ●Max Power:5W (FM) ●Supports 300MHz Reception

BNC Series

●Wide-band, high-gain handheld receiving antennas

144/430MHz Dual Band

●Weight:8g ●Frequency:144MHz:2.15dBi 430MHz:3.4dBi
 ●Max Power:20W ●Repeater Capable ●D-STAR Compatible

SH Series

●Practicality and reduction in weight has been achieved through the adoption of a flexible element. Furthermore, it comes fully equipped with features such as Cu coating for greater efficiency and waterproof BNC connectors. Also capable of wide-band reception.

144/430MHz Wide Reception 4 Band

●Weight:37g
 ●Frequency:144/430MHz (Receiving Airband 300/800MHz Band)
 ●Max Power:10W (FM)
 ●Wide Reception 100~170,350~470,840~980MHz
 ●Gain:144MHz:1.5dBi 430MHz:3.2dBi
 ●Repeater Capable ●D-STAR Compatible

144/430/900MHz Wide Reception 5 Band

●Weight:36g
 ●Frequency:144/430/900MHz (Receiving Airband 300/800MHz Band)
 ●Max Power:10W (FM)
 ●Wide Reception 100~170,350~470,840~980MHz
 ●Gain:144MHz:1.2dBi 430MHz:1.7dBi 900MHz:3.4dBi
 ●Repeater Capable ●D-STAR Compatible

Flexible element adopted

CH-300FXS
CH-350FXB

Length:25cm
 144/430/900MHz Wide-band Reception Handheld Antenna

CH-600FXS
CH-700FXB

Length:40cm
 144/430MHz Wide-band Reception Handheld Antenna

CH-75

Length:39cm
 144/430MHz Wide-band Reception Handheld Antenna

CH-99
SMA-99

Length:19.5cm~1.135m
 70~1000MHz Rod Style Antenna

BNC-W100RX
SMA-W100RX

Length:Approx. 20~99cm

CTR-34WS

Length:32cm

CH209
SMA209
SMA209J

CH209/Length:7.5cm Soft Rubber Type
SMA209/Length:7.0cm Soft Rubber Type

BNC24

Length:43cm 144/430MHz Super-fine Flexible Element

SH55

Length:38cm
 144/430MHz 4 Band High-Gain Handheld Antenna

SH85

Length:25cm
 5 Band High-Gain Handheld Antenna

HANDY MATE/GP SERIES GP SERIES

SMA Series

●The SMA Series are lightweight, flexible element type compact antennas for the new model handheld devices and compact receivers. SMA connectors adopted. Capable of wideband reception. Compatible with the new model handheld devices and compact receivers.

144/430/900MHz Triple Band



SMA3



Length: 25cm 144/430/900MHz band 3-band Handheld Antenna

●Weight: 30g ●Frequency: 144/430/900MHz (Reception 118~160/250~290/360~390/420~470/820~900MHz) ●Max Power: 10W (FM) ●Repeater Capable ●D-STAR Compatible

144/430MHz Dual Band



SMA501



Length: 4.6cm Compact Handheld Antenna for the 144/430MHz Wide-band Reception

●Weight: 15g ●Frequency: 144/430MHz ●Max Power: 8W (FM) ●Repeater Capable ●Wide-band Reception Frequency: 118~160, 250~290, 360~390, 420~470, 820~960, 1260~1300MHz ●D-STAR Compatible

SMA503



SMA503J



Length: 22cm 144/430MHz Flexible Element Handheld Antenna

●Weight: 12g ●Frequency: 144/430MHz (Reception 118~160/250~290/360~390/420~470/820~960MHz) ●Max Power: 10W (FM) ●Repeater Capable ●D-STAR Compatible

SMA24



SMA24J



Length: 41cm 144/430MHz Super-fine Flexible Element

●Weight: 8g ●Frequency: 144MHz 2.15dBi 430MHz 3.4dBi ●Max Power: 20W ●Repeater Capable ●D-STAR Compatible

144/430/1200MHz Triple Band



SMA701



Length: 4.6cm 144/430/1200MHz Ultra-compact Handheld Antenna

●Weight: 15g ●Frequency: 144/430/1200MHz (Reception 118~160/250~290/360~390/420~470/820~960/1260~1300MHz) ●Max Power: 8W (FM) ●Repeater Capable ●D-STAR Compatible

SMA703



Length: 17cm 144/430/1200MHz Flexible Element Handheld Antenna

●Weight: 11g ●Frequency: 144/430/1200MHz (Reception 118~160/250~290/360~390/420~470/820~960/1260~1300MHz) ●Max Power: 10W (FM) ●Gain: 3.4dBi (1200MHz) ●Repeater Capable ●D-STAR Compatible

SMA726



Length: 51cm Supports FM, AIR, 150MHz Reception

●Weight: 64g ●Frequency: 50MHz/144MHz/430MHz ●Max Power: 10W ●Wide Reception ●Gain: 2.15dBi ●Repeater Capable ●D-STAR Compatible

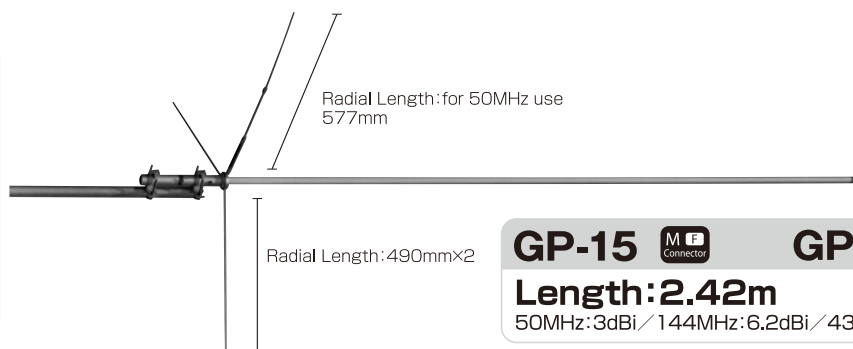
TRIPLE BAND GP

●Triple Bander

50/144/430MHz Triple Band

The unrivaled Triple Band Series: Since its introduction, the world's first V/UHF band Triple Bander has received an immense response. High gain achieved thanks to the highly efficient SLC System.

●Weight: 1.2kg
●Frequency
50MHz: 5/8λ
144MHz: 5/8λ 2-step
430MHz: 5/8λ 4-step
●Max Power: 300W SSB
●Wide Reception
100~170, 350~470MHz
●Repeater Capable
●Survival Wind Speed: 50m/sec
●The adjustment element is a standard feature for the 50MHz band (Adjustment Range: 1.2MHz between 50~53MHz)
●D-STAR Compatible



GP-15



GP-15N



Length: 2.42m

50MHz: 3dBi / 144MHz: 6.2dBi / 430MHz: 8.6dBi

144/430/1200MHz Triple Band

●Weight: 1.15kg
●Frequency 144MHz: 5/8λ C Phase
430MHz: 5/8λ 3-step 1200MHz: 5/8λ 6-step
●Max Power: 300W SSB (144MHz) 200W SSB (430/1200MHz)
●Wide Reception 100~170, 350~470, 840~1400MHz
●Repeater Capable ●Survival Wind Speed: 60m/sec
●D-STAR Compatible



GP-93

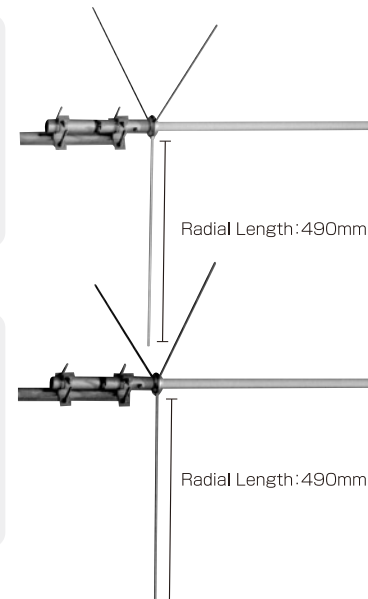


Length: 1.78m

144MHz: 4.5dBi / 430MHz: 7.2dBi / 1200MHz: 10.0dBi

144/430/1200MHz Triple Band

●Weight: 1.28kg
●Frequency
144MHz: 5/8λ 2-step
430MHz: 5/8λ 4-step
1200MHz: 5/8λ 9-step
●Max Power: 200W SSB (430/1200MHz)
300W SSB (144MHz)
●Wide Reception 100~170, 350~470, 840~1400MHz
●Repeater Capable
●Survival Wind Speed: 50m/sec
●D-STAR Compatible



GP-95



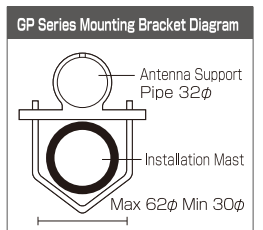
Length: 2.42m 144MHz: 6.0dBi / 430MHz: 8.6dBi / 1200MHz: 12.8dBi

●Weight: 1.5kg
●Frequency
144MHz: 5/8λ 2-step C Phase
430MHz: 5/8λ 5-step C Phase
1200MHz: 5/8λ 12-step
●Max Power: 300W SSB (144MHz)
200W SSB (430/1200MHz)
●Wide Reception 100~170, 350~470, 840~1400MHz
●Repeater Capable
●Survival Wind Speed: 40m/sec
●D-STAR Compatible

GP-98



Length: 2.94m 144MHz: 6.5dBi / 430MHz: 9.0dBi / 1200MHz: 13.5dBi



CMB-26 is included with all GP Series Antennas. Can also be purchased separately.

SPECIAL MONO/DUAL BAND GP

50MHz Mono Band

●Non-radial Shared GP for Fixed and Marine Use in Salt-affected Areas

●Weight: 1.2kg
●Frequency 50MHz: 1/2λ
●Max Power: 120W SSB
●With Adjustment Element
●Survival Wind Speed: 45m/sec



GH-50



Length: 2.4m

50MHz: 2.15dBi / Non-radial including a Frequency Adjustment Feature

144/430MHz Dual Band

●Weight: 1.15kg
●Frequency
144MHz: 6/8λ C Phase
430MHz: 5/8λ 3-step
●Max Power: 200W SSB
●Wide Reception
100~170, 350~470MHz
●Repeater Capable
●Survival Wind Speed: 45m/sec ●D-STAR Compatible



GH-70



Length: 2.25m 144MHz: 4.5dBi Non-radial / 430MHz: 7.2dBi Non-radial

430/1200MHz Dual Band

●Weight: 1.15kg
●Frequency
430MHz: 5/8λ 4-step
1200MHz: 5/8λ 4-step
●Max Power:
200W SSB (430MHz)
100W SSB (1200MHz)
●Wide Reception:
100~170, 350~470, 840~1400MHz
●Repeater Capable
●Survival Wind Speed: 45m/sec
●D-STAR Compatible

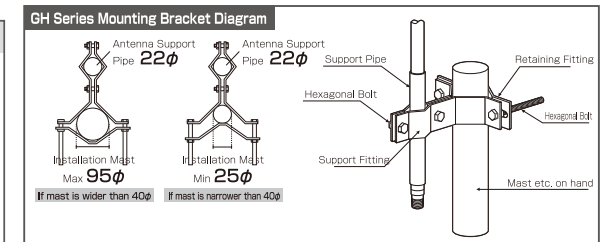
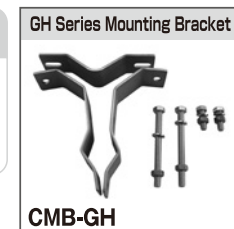


GH80



Length: 2.25m

430MHz: 8.6dBi Non-radial
1200MHz: 8.6dBi Non-radial



CMB-GH is included with all GH Series Antennas. Can also be purchased separately.

SLC System

The SLC System is an advanced mechanism developed originally by Comet in order to greatly improve the gain on Dual and Triple Banders. Through the implementation of the Air-Core Type Shaping Element Phase System and the Phosphor Bronze Element, the loss during the existing Phase Shift Peak has been substantially reduced.

144/430MHz Dual Band

- Weight: 2.2kg
- Frequency: 144MHz: 5/8λ 3-step C Phase 430MHz: 5/8λ 8-step
- Max Power: 200W SSB
- Wide Reception: 100~170, 350~470MHz
- Repeater Capable
- Survival Wind Speed: 30m/sec
- D-STAR Compatible

Radial Length: 490mm

- Weight: 1.6kg
- Frequency: 144MHz: 5/8λ 2-step C Phase 430MHz: 5/8λ 5-step
- Max Power: 200W SSB
- Wide Reception: 100~170, 350~470MHz
- Repeater Capable
- Survival Wind Speed: 40m/sec
- D-STAR Compatible

Radial Length: 490mm

- Weight: 1.27kg
- Frequency: 144MHz: 5/8λ 2-step 430MHz: 5/8λ 4-step
- Max Power: 200W SSB
- Wide Reception: 100~170, 350~470MHz
- Repeater Capable
- Survival Wind Speed: 50m/sec
- D-STAR Compatible

Radial Length: 490mm

- Weight: 1.16kg
- Frequency: 144MHz: 6/8λ 2-step C Phase 430MHz: 5/8λ 3-step
- Max Power: 200W SSB
- Wide Reception: 100~170, 350~470MHz
- Repeater Capable
- Survival Wind Speed: 60m/sec
- D-STAR Compatible

Radial Length: 170mm

- Weight: 0.89kg
- Frequency: 144MHz: 1/2λ 430MHz: 5/8λ 3-step
- Max Power: 200W SSB
- Wide Reception: 100~170, 350~470MHz
- Repeater Capable
- Survival Wind Speed: 60m/sec
- D-STAR Compatible

Radial Length: 170mm

- Weight: 0.78kg
- Frequency: 144MHz: 1/2λ 430MHz: 5/8λ 2-step C Phase
- Max Power: 100W FM
- Wide Reception: 100~170, 350~470MHz
- Repeater Capable
- Survival Wind Speed: 60m/sec
- D-STAR Compatible

Radial Length: 170mm

GP-9M GP-9N

Length: 5.15m

144MHz: 8.5dBi / 430MHz: 11.9dBi

GP-6 GP-6N

Length: 3.07m

144MHz: 6.5dBi / 430MHz: 9.0dBi

GP-5 GP-5N

Length: 2.42m

144MHz: 6.0dBi / 430MHz: 8.6dBi

GP-3 GP-3N

Length: 1.78m

144MHz: 4.5dBi / 430MHz: 7.2dBi

GP-1 GP-1N

Length: 1.25m

144MHz: 3.0dBi / 430MHz: 6.0dBi

CA-2X4CX

Length: 1.29m

144MHz: 3.5dBi Non-radial / 430MHz: 6.0dBi Non-radial

MONO BAND GP

1200MHz Mono Band

Radial Length: 75mm

- Weight: 1.2kg
- Frequency: 1200MHz: 21-step Air-core Type Collinear
- Max Power: 100W FM
- Repeater Capable
- Survival Wind Speed: 50m/sec
- D-STAR Compatible

GP-21

Length: 2.42m

High-gain 1200MHz: 14.9dBi

2400MHz Mono Band

Radial Length: 40mm

- Weight: 1.16kg
- Frequency: 2400MHz: 22-step Air-core Type Collinear
- Max Power: 100W FM
- Repeater Capable
- Survival Wind Speed: 60m/sec

GP-24

Length: 1.78m

High-gain 2400MHz: 15.4dBi

Radial Length: 40mm

- Weight: 750g
- Frequency: 2400MHz: 13-step Air-core Type Collinear
- Max Power: 100W FM
- Repeater Capable
- Survival Wind Speed: 60m/sec

GP-2413

Length: 1.14m

High-gain 2400MHz: 10.0dBi

COMMERCIAL MONOBAND

C-150BX-L Frequency: 118~145MHz

C-150BX-M Frequency: 134~160MHz

C-150BX-H Frequency: 148~175MHz

Length: 1.70m (L), 1.52m (M), 1.28m (H)

CA-F22GFL Frequency: 120~150MHz

CA-F22GF Frequency: 134~175MHz

Length: 2.70m

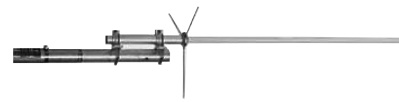
Gain: 6.0dBi

CA-712EF

Length: 3.20m

Gain: 9.8dBi

COMMERCIAL MONOBAND



CA-72GF Frequency: 440~480MHz

CA-72GFL Frequency: 400~460MHz

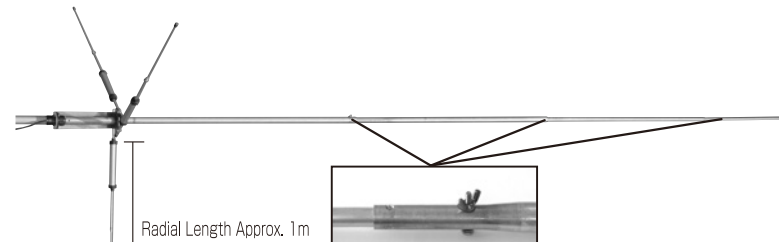
Length: 1.25m

Gain: 5.5dBi

- Weight: 1kg
- Wave: 8/5λ 2-step
- Max Power: 150W FM
- Survival Wind Speed: 50m/sec

HF Mono Band

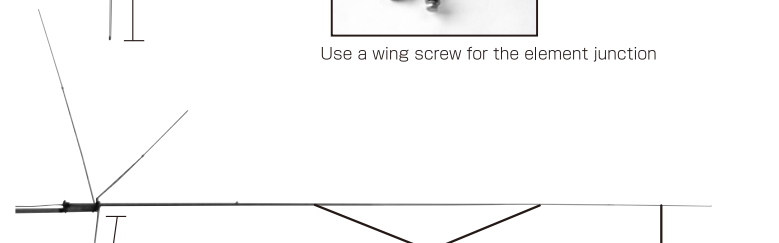
●The HFGP Series for the serious enthusiast. Excellent performance with a Max Power of 1kw.



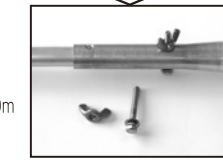
Radial Length Approx. 1m



Use a wing screw for the element junction



Radial Length Approx. 2.9m



Use a wing screw for the element junction



Fixed with a set screw

CHA2100

Length: 8.4m

21MHz

- Weight: 3.7kg
- Frequency: 21MHz: 3.2dBi 5/8λ
- Max Power: 1kW (SSB)
- V.SWR: Below 1.5
- Impedance: 50Ω
- Radial Length: Approx. 1m
- Installation Support: 30~72φ
- Survival Wind Speed: 30m/sec

CHA2800

CHA2900

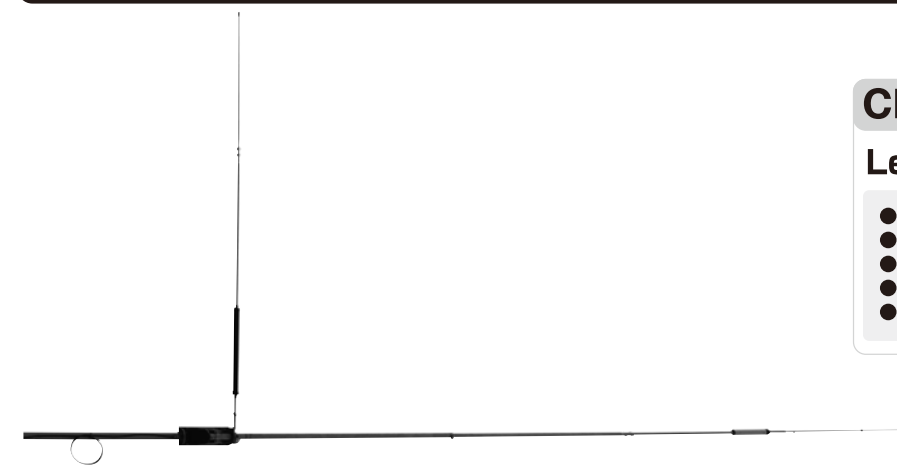
Length CHA2800: 6.72m

Length CHA2900: 6.40m

28/29MHz

- Weight: 3.5kg
- Frequency: 28/29MHz: 3.2dBi 5/8λ
- Max Power: 1kW (SSB)
- V.SWR: Below 1.5
- Impedance: 50Ω
- Radial Length: Approx. 2.9m
- Installation Support: 30~72φ
- Survival Wind Speed: 30m/sec
- Repeater Capable (CHA2900)

7MHz(200kHz Compatible) Mono Band GP



CHA7000W

Length: Approx. 5.6m

- Frequency: 7~7.2MHz
- Max Power: 300W (SSB)
- V.SWR: Below 2.0
- Impedance: 50Ω
- Radial Length: 2.05m (1 piece radial)
- Length: Approx. 5.6m
- Weight: Approx. 3.9kg
- Installation Support: 30~72φ

VHF/UHF YAGI BROAD BAND/MULTIBAND

V·UHF YAGI

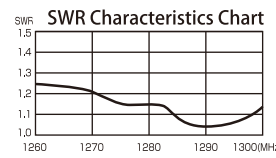
1200MHz Mono Band

CYA-1216E

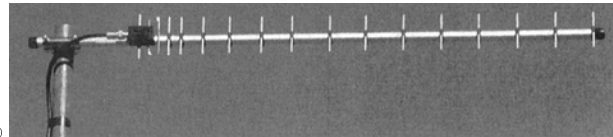


Boom Length: 1.36m Radius of Gyration: 1.3m

- Weight: 0.64kg ●Frequency: 1260~1300MHz ●Gain: 16.6dBi
- Max Power: 100W FM 200W SSB ●Installation Support Diameter: 25~65φ
- Swept Area: 0.04m² ●Survival Wind Speed: 45m/sec ●D-STAR Compatible



1200MHz 16 Element Single



HB9CV

50MHz HB9CV

Thanks to the Phase Difference Feed System, the 50MHz HB9CV is more compact and lighter than a comparable Yagi Antenna, and in addition, it's DX communication is flawless!

CA-52HB

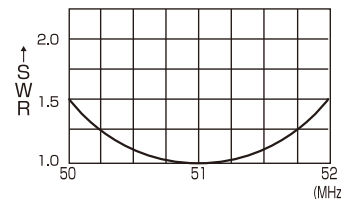


Suitable for 50MHz beginners

Boom Length: 0.75m Radius of Gyration: 1.54m Max Element Length: 2.97m

50MHz: 6.3dBi 2 Element HB9CV

- Weight: 0.91kg ●Frequency 50~53MHz ●Max Power: 400W SSB
- Swept Area: 0.054m² ●Installation Mast: 25φ~65φ ●Survival Wind Speed: 35m/sec



CA-52HB4

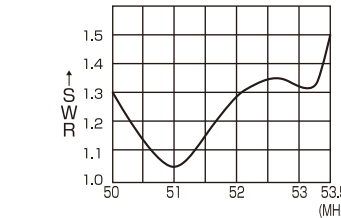
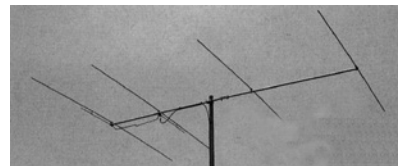


Simple assembly and convenience in transportation owing to the wing screw specifications

Boom Length: 3.2m Radius of Gyration: 2.22m Max Element Length: 2.97m

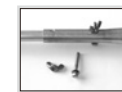
50MHz: 10.4dBi 4 Element HB9CV

- Weight: 2.1kg ●Frequency 50~53.5MHz ●Max Power: 400W SSB
- Swept Area: 0.19m² ●Installation Mast: 25φ~65φ ●Survival Wind Speed: 35m/sec



Broad Band Antenna

●Since it's a non-radial vertical type, an earth is not required!!



Wing screws used for the element junction (2nd step and 3rd step) ※5mm/4mm

Adopted the use of the proven hose band for the element and base section



The Max Power has been improved by adopting the use of a specially shaped fin on the surface of the feed section which suppresses the rise in internal temperature.

Pipes of 30φ~72φ supported for installation



Element 3 strengthened (Built-in Glass Fibre Dual Structure)



Fix Element 5 with the Set Screws

CHA250BXII



Length: Approx. 7.13m

- Weight: Approx. 3.2kg ●Max Power: 250W (SSB)
- Transmission Frequency: 3.5MHz~57MHz
- Receiving Frequency: 2.0MHz~90MHz
- V.SWR: Below 1.5 ●Impedance: 50Ω
- Installation Support Diameter: 30φ~72φ
- Survival Wind Speed: 30m/sec
- Form: Single Type GP ●Connector: M Type

Features

●HF non-radial: earth not required, perfect for operating from the verandah!

- Adopted the use of a specially shaped fin on the surface of the feed section. Max Power improved through an increase in Thermal Radiation Efficiency.
- Air ducts used on the base of the feed section. Max Power strengthened by suppressing the rise in Internal Temperature.



Long size element adopted

Transmission Frequency 7&14~56MHz Receiving Frequency 3~70MHz

HA750BL Broadband Mobile Antenna Length: Approx. 2.41m



- Max Power: 120W (SSB) ●Impedance: 50Ω ●V.SWR: Below 1.5 ●Weight: Approx. 820g
- Connector: M Type



Transmission Frequency 7&18~54MHz Receiving Frequency 3~70MHz

HA750B Broadband Mobile Antenna Length: Approx. 1.22m



- Max Power: 120W (SSB) ●Impedance: 50Ω ●V.SWR: Below 1.5 ●Weight: Approx. 730g
- Connector: M Type

Dipole Antenna

HF5 Band Variable Angle Type Dipole Antenna

Features

- Various applications possible: Horizontal Type, V Type, GP

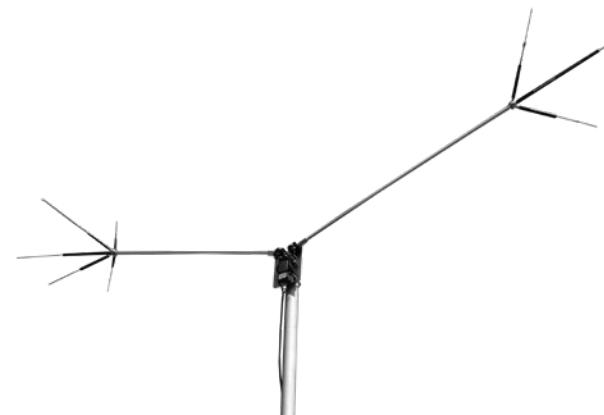
CHV-5X



Length: 4m (at horizon) 7/14/21/28/50MHz 5 Band

- Frequency Band: 7/14/21/28/50MHz 5 Band
- Balun (CBL-2500) included
- Max Power: 7/14MHz 150W (SSB), 21/28/50MHz 220W (SSB)
- Impedance: 50Ω ●V.SWR: Below 1.5
- Length: Approx. 4m (at horizon) ●Connector: M Type
- Adaptable Mast Diameter (mm): 25~62φ
- Weight: Approx. 2.7Kg (One side of element Approx. 900g)

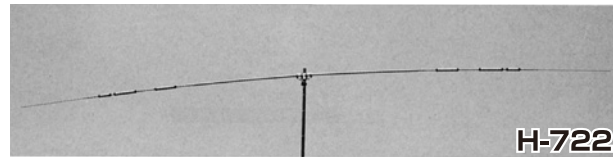
※Optional 18M Element available



HF DIPOLE HF BROAD / Balun

High Power Capable V Type Rotary Dipole

- **V Type Dipole** with a small radius of gyration.
- **High Radiation Efficiency** and **low SWR** achieved.
- **Switching between Horizontal ⇄ V Type** is easy!
- **Fine tuning the 7MHz band** can be accomplished by simply extending or retracting the element.



H-722



H-722



H-422

H-722

Length: 9.8m (when Horizontal Dipole)
6.9m (when V Type Dipole)

7/21/28MHz V Type Dipole (Also possible with Horizontal Type)

- Weight: 4.8kg
- Wide Band: No adjustment for 21/28MHz Band
- Frequency: 7/21/28MHz
- Max Power: 1kW SSB
- Swept Area: 0.26m²
- Balun (CBL-2500) provided
- Installation Mast: 38~62φ

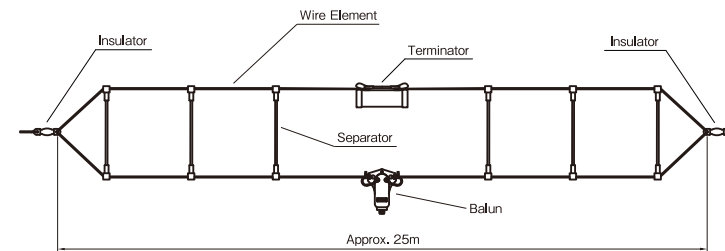
H-422

Length: 10.3m (when Horizontal Dipole)
7.4m (when V Type Dipole)

7/14/21/28MHz V Type Dipole (Also possible with Horizontal Type)

- Weight: 5.4kg
- Wide Band: No adjustment for 21/28MHz Band
- Frequency: 7/14/21/28MHz
- Max Power: 1kW SSB
- Swept Area: 0.28m²
- Balun (CBL-2500) provided
- Installation Mast: 38~62φ
- ※ Frequency can be adjusted through the assembly length of the element

T2FD Antenna Set



CWD230

- Transmission Frequency: 1.8~30MHz Band
- Max Power: 500(PEP)
- Impedance: 50Ω
- V.SWR: 1.8 or less within the above Frequency
- Connector: M-Female Type
- Length: Approx. 25m
- Weight: Approx. 3kg
- Includes a 5D-2V 30m Coaxial Cable

Balun

● Wide Band Balun



CBL2500

- 2.5KW Type 1.8~56MHz
- SWR: Approx. under 1:1 2.5KW (PEP)



CBL1000

- 1KW Type 1.7~30MHz
- SWR: Approx. under 1:1 1KW

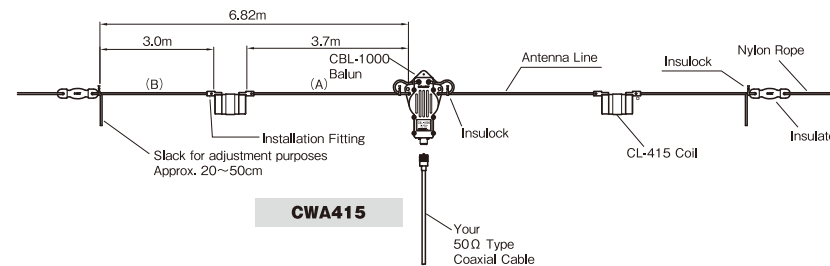
Dipole Antenna Set

The Dipole Antenna is the perfect antenna for HF Band beginners as it's easy to install and simple to adjust.

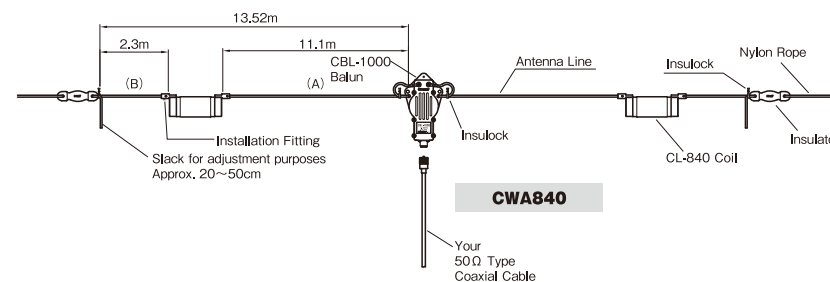
The HF Band Dipole Antenna Set includes a CBL-1000 Balun, Insulator, Rope, Antenna Wire and Loading Coil. The Mono Band Set includes a CBL-1000 Balun, Insulator, Rope and Antenna Wire.



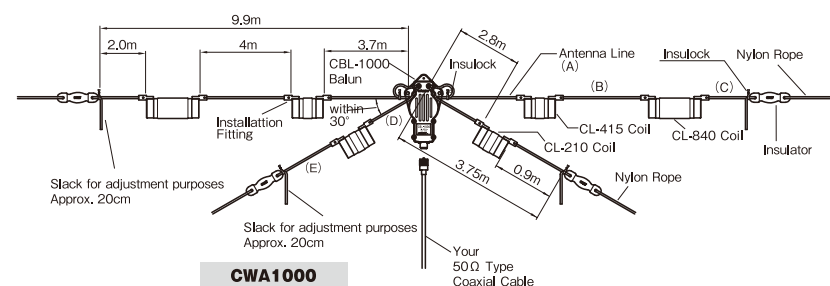
※ The Balun uses the CBL1000



CWA415



CWA840



CWA1000

Mono Band Dipole Antenna Set

Model	Frequency	Length
CWA-3.5	3.5MHz	44m
CWA-3.5H	3.5MHz	44m
CWA-7	7MHz	22m
CWA-7H	7MHz	22m

※ Can also be used with the Max Power 1.2KW (PEP) 600W (CW). Reverse V.

The length will be slightly shorter in reality, as this is the size before any adjustments.

※ The Max Power of the CWA-3.5H and CWA-7H is 2.5KW PEP.

HF Band Dipole Antenna Set

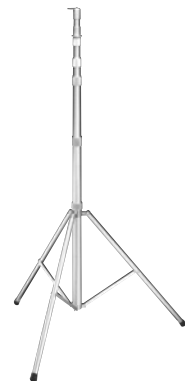
Model	Frequency	Length
CWA-840	3.5/7MHz	27.2m
CWA-415	7/21MHz	13.8m
CWA-1000	3.5/7/14/21/28MHz	19.9m

※ Can also be used with the Max Power 1.2KW (PEP) 600W (CW). Reverse V.

The length will be slightly shorter in reality, as this is the size before any adjustments.

POLE CABLE ASSEMBLY

Pole ●Mobile Aluminium Pole



(CP-45 Aluminium Pole sold separately)



CP-45 Length:4.5m

- Assembled Length:Maximum 4.5m(4-step)1.36m(Minimum)
- Pipe diameter:22~34φ
- Assembly Method:Telescopic ●Weight:1.38kg

Features

Connector Installation Plate. Safety feature implemented to prevent your hands from getting caught. Strengthened Fixed Screw Type.

YS-45 Tripod for CP-45

- Pipe Catch diameter:34.5φ ●Height when in use:0.85m
- Dimension when folded:1.36m
- Max Leg Radius:Approx. 0.6m ●Weight:1.5kg
- Maximum Installation Weight:10kg(Wwen no wind)

CP-60L Length:6m

- Assembly Length:Maximum 6m(5-step)1.58m(Minimum)
- Pipe diameter:26~42φ
- Assembly Method:Telescopic ●Weight:2.48kg

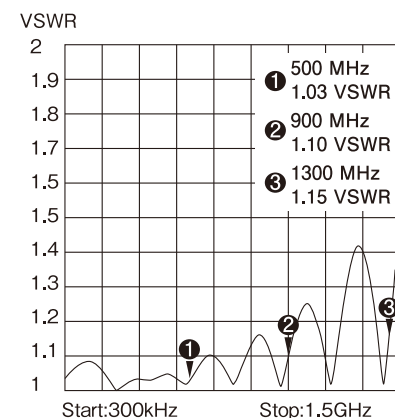
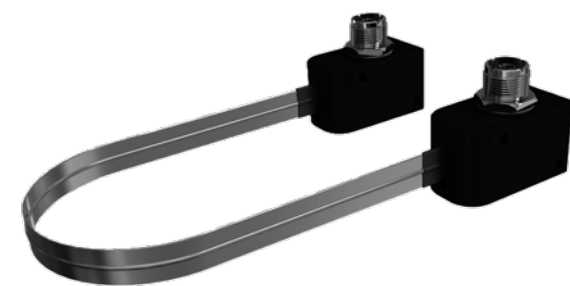
※Lock pin implemented on each step of the CP-80 to prevent a vertical drop

CP-80L Length:8.05m

- Assembly Length:Maximum 8.05m(6-step)1.72m(Minimum)
- Pipe diameter:22~42φ
- Assembly Method:Telescopic ●Weight:Approx. 3kg

※Lock pin implemented on each step of the CP-80 to prevent a vertical drop

●Through Window Cable

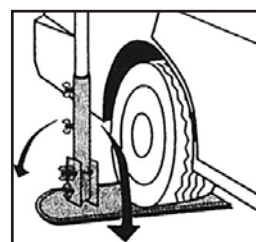
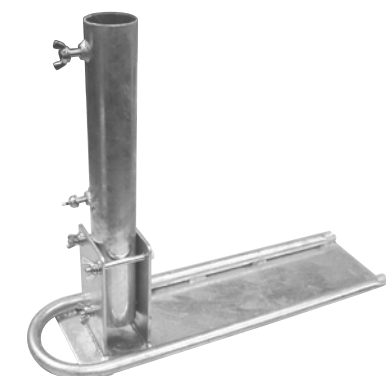


CTC-50M

- Frequency:DC~1300MHz
- Max Power:HF~50MHz 100W(PEP)
144MHz 60W(F3)
430MHz 50W(F3)
1200MHz 10W(F3)
- V SWR: Below 1.3 Below 500MHz
Below 1.5 Above 500MHz
- Impedance:50Ω
- Insertion Loss: Below 0.5dB(DC~500MHz)
Below 1.3dB(500MHz~900MHz)
Below 1.8dB(Above 900MHz)
- Connector:M-M
- Cable Length:Approx. 50cm
(Connector to Connector)
- Weight:Approx. 132g

★The Through Window Cable will allow you to pull cables indoors without opening any holes in your treasured home!

●Mobile Quick Pole Stand



MCBIII

- Installable Pole Diameter:34φ~50φ
- Installable Antenna Weight:
Depends on the standards of the pole used(Approx. 10kg)
- Main Body Weight:Approx. 4.3kg
- Size:156×540×416mm(Width×Length×Height)

K Series Cable



Look for this package! Please purchase from our retail stores.

The LK/CK Series Car Coaxial Cable has been renewed and reintroduced as the K Series.

The Coaxial Cable is now on sale, with a lineup that has been further expanded in renewed packaging using the high quality, low loss FujiKura Brand as in the past.

★Model Number Example 5K104M				★Model Number Example 3K054M			
5	K	10	4	3	K	05	4
Cable		Lead-in Length	Total Length	Cable		Lead-in Length	Length
↓		↓	↓	↓		↓	↓
5DQEFV		1m	4m	3.5DQEFV		0.5m	4m
			MJ-MP				MJ-MP

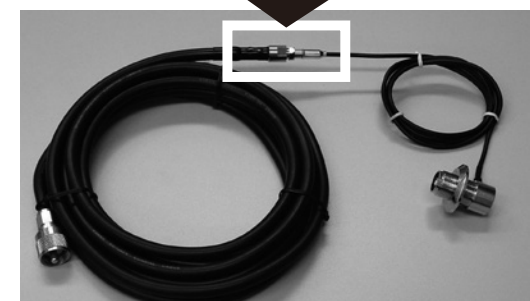
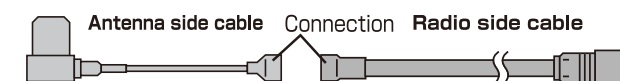
Model	1.5DQE	3.5DQEFV	5DQEFV	Length	Connector
3K153M	1.5	1.5	—	3	MJ-MP
3K155M	1.5	3.5	—	5	MJ-MP
5K104M	1	—	3	4	MJ-MP
5K105M	1	—	4	5	MJ-MP
5K155M	1.5	—	3.5	5	MJ-MP
5K204M	2	—	2	4	MJ-MP
5K205M	2	—	3	5	MJ-MP
5K206M	2	—	4	6	MJ-MP
5K207M	2	—	5	7	MJ-MP
5K105N	1	—	4	5	NJ-NP
5K105P	1	—	4	5	MJ-NP

FS Series Car Coaxial Cable

● In the age of highly-evolved car cables, "detachability" is what is being sought after. Introducing the FS Series, now on sale from Comet. These cables will allow you to flexibly combine the specialized cable on the antenna side with the coaxial cable on the radio side in the length that you require.

Connection Example

Antenna side(1.5m)+Radio side(3m)=Total length 4.5m



RG174A/U		
Model	Length	Connector
T0.6M	0.6m	ML-FMEJ
T1M	1.0m	ML-FMEJ
T1.5M	1.5m	ML-FMEJ
T2M	2.0m	ML-FMEJ
T3M	3.0m	ML-FMEJ
T1N	1.0m	NL-FMEJ
T2N	2.0m	NL-FMEJ

5DQEFV		
Model	Length	Connector
F510M	1.0m	FMEP-MP
F515M	1.5m	FMEP-MP
F520M	2.0m	FMEP-MP
F525M	2.5m	FMEP-MP
F530M	3.0m	FMEP-MP
F535M	3.5m	FMEP-MP
F540M	4.0m	FMEP-MP
F545M	4.5m	FMEP-MP
F555M	5.5m	FMEP-MP
F525N	2.5m	FMEP-NP
F530N	3.0m	FMEP-NP
F535N	3.5m	FMEP-NP
F540N	4.0m	FMEP-NP
F545N	4.5m	FMEP-NP
F555N	5.5m	FMEP-NP

Cable Set for Fixed Stations

Detachable Connector (single-side only)

5D2V/5DFB			
Model	Compatibility	Length Variations	Connector
5D2V	HF~500MHz	10m・15m・20m・25m・30m	MP-MP
5DFB	HF~600MHz	10m・15m・20m・25m・30m	MP-MP



Cable Set for Mobile Antenna Bases

●Wide variation to choose from depending on use.
Cables are available in Black and Transparent types.

2D-LFB-S		
Model	Length	Connector
2DL1S	1m	MLJ-SMAP
2DL1.5S	1.5m	MLJ-SMAP
2DL2S	2m	MLJ-SMAP
2DL3S	3m	MLJ-SMAP
2DL4S	4m	MLJ-SMAP
2DL5S	5m	MLJ-SMAP
2DL1.5M	1.5m	MLJ-MP
2DL2M	2m	MLJ-MP
2DL3M	3m	MLJ-MP
2DL4M	4m	MLJ-MP
2DL5M	5m	MLJ-MP
2DL6M	6m	MLJ-MP
2DL7M	7m	MLJ-MP

5DQEFV		
Model	Length	Connector
Black		
5D4MB	4m	MLJ-MP
5D5MB	5m	MLJ-MP
5D5PB	5m	MLJ-NP
5D5NB	5m	NLJ-NP
5D6MB	6m	MLJ-MP
5D7MB	7m	MLJ-MP

※Within the QEF Cable Set, the M type is ML-MP, the P type is ML-NP and the N type is NL-NP and each are compatible with HF~600MHz, HF~1,300MHz, HF~2,500MHz, respectively.

3.5DQEFV		
Model	Length	Connector
3D4MB	4m	MLJ-MP
3D5MB	5m	MLJ-MP
3D6MB	6m	MLJ-MP

Flexible Installation Mobile Mounting Bracket Series

Drawing on long years of performance and experience, the products developed by Comet have always received high praise in association with recent mobile stations which allow for various antenna installation methods. And we, as a company which continues to pursue the improvement of its performance, will deliver to you a product that excels in total balance, including, antenna matching, SWR and foldability. (utility model registered)

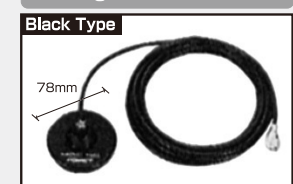
Magnetic Base Bracket Antenna Set

M24 ML Connector M24S SMA Connector
M24 BNC Connector M24SJ SMA-J Connector

Length: 0.48m
144MHz: 1.7dBi/430MHz: 4.15dBi Non-radial
●Weight: 500g
●Frequency 144MHz: 3/8λ, 430MHz: 1/4λ+5/8λ 2-step
●Magnetic Base Bracket
●Repeater compatible
●Max Power: 80W(FM)
●Cable RG-58U(4m)

Magnetic Base Brackets

Small Magnetic Base Bracket Set



Black Type
78mm
BMG-M (ML-MP) 4.1m
●3.5DQEFV employed

Large Magnetic Base Bracket Set



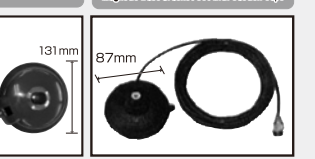
110mm
MG-4M (MJ-MP) 4m
MG-4N (N-MP) 4m
MG-5M (MJ-MP) 5m
MG-6M (MJ-MP) 6m
MG-4B (MJ-BNC) 4m
●3.5DQEFV employed
●110mm Large Magnet employed

Large Magnetic Base Bracket



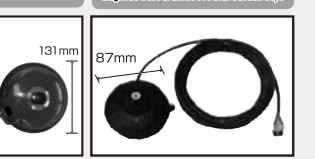
CA-MS2
●Usable up to 1.5D~8D (includes Adapter)

Small Powerful Magnetic Base Bracket Set



CM5M (MJ-MP) 5m
●Low loss gold-plated cable core used

Magnetic Base Bracket Set with Suction Cups

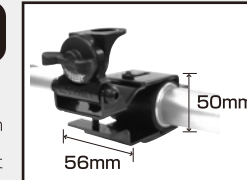


RRM-M (ML-MP) 4m
●2DQEFV Cable employed
●Powerful Magnetic Base Bracket with Suction Cups

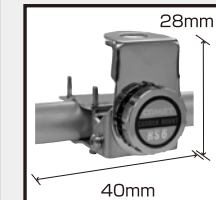
Roofrail Mount Brackets

RS-660U

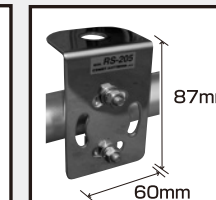
- Supports roofrail widths up to 35~56
- Supports roofrails up to a maximum installation height of 50mm
- Roofrail only mount bracket with both the largest installation width and height in the market



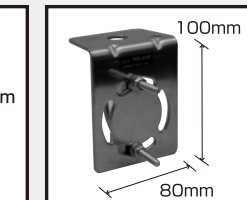
Pipe Mount Brackets



RS-6
●Includes Dial Lock Folding Mechanism
●Maximum 32φ



RS-205
●Pipe Mount Bracket
●12φ~32φ



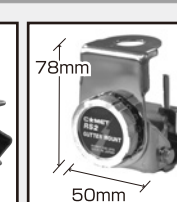
RS-215
●Large Pipe Mount Bracket
●10~50φ

Roofside Mount Brackets

Roofside Only Mount Bracket



CA-RS1



CA-RS2

- Includes Dial Lock Folding Mechanism

Trunk/Hatchback Door Mount Brackets (Ultra-Compact)



RS020B (Black)



RS020S (Silver)

Trunk/Hatchback Door Mount Brackets



RS-520
●Includes Dial Lock Folding and Variable Angle mechanisms in 2 places



RS-720
●Includes Dial Lock Folding and Variable Angle mechanisms in 2 places



RS-730
●Includes Dial Lock Folding and Variable Angle mechanisms in 3 places

Perfect for SS Series



RS580
●Medium Size

Large HF Antenna Mounting Bracket



RS840
●For Trunk/Hatchback Door

Trunk/Hatchback Mounting Bracket



RS-530
●Includes Dial Lock Folding and Variable Angle mechanisms in 3 places

Conversion Cable

Used to connect to handheld transceivers.



Connection Cables



BNCP-MJ Conversion Cable	HM-05	1.5DQEV	0.5m
	HM-10	1.5DQEV	1.0m
SMAP-MJ Conversion Cable	HS-05	1.5DQEV	0.5m
	HS-10	1.5DQEV	1.0m
BNC-J-SMAP Conversion Cable	HB-05	1.5DQEV	0.5m
SMA-J-SMAP Conversion Cable	HS-20S	RG174/U	2.0m

Model	Cable	Length	Connector
MM-50	5D2V	50cm	MP-MP
MM-80	5D2V	80cm	MP-MP
MM-100	5D2V	100cm	MP-MP

●Upgraded Duplexer (Also supports wideband reception)

Various uses are possible by combining Comet's 2-wave or 3-wave duplexer with an antenna. In addition, Comet's Duplexers suppress the mutual interference, not only between each band, but on all bands, by adopting an increased isolation through the high shielding effect provided by the twin cavity and reducing the coupling loop interference between each separated terminal to the extent at which it may be ignored. It is also effective as a countermeasure against radio jamming, such as TVI, through its internal filter circuit.

DUPLEXER					
Frequency	50/144MHz		28/50MHz	430/1200MHz	144/430MHz
Model	CF-530	CF-706	CF-360	CF-413	CF-416
Connector			A Type 	B Type 	A Type
Frequency Insertion Loss	Below 1.3~90MHz 0.2dB Below 125~470MHz 0.3dB	Below 1.3~57MHz 0.4dB Below 75~550MHz 0.4dB	Below 1.3~30MHz 0.2dB Below 49~470MHz 0.25dB	Below 1.3~460MHz 0.25dB Below 840~1400MHz 0.4dB (840~950MHz, if the individual terminal is type M)	Below 1.3~170MHz 0.15dB Below 350~540MHz 0.25dB
S.W.R	Below 1.2 for each bandwidth shown above	Below 1.2 for each bandwidth shown above	Below 1.2 for each bandwidth shown above	Below 1.2 for each bandwidth shown above	Below 1.2 for each bandwidth shown above
Isolation	Over 45dB	Over 40dB	Over 45dB	Over 55dB	Over 60dB
Max Power	1.3~30MHz 600W(PEP) 50/144MHz 600W(PEP)	50MHz 350W(PEP) 144MHz 350W(PEP)	1.3~30MHz 600W(PEP) 50/144MHz 600W(PEP)	1.3~150MHz 800W(PEP) 350~500MHz 500W(PEP) 840~1400MHz 200W(PEP)	1.3~170MHz 800W(PEP) 350~540MHz 500W(PEP)

●Duplexer/Triplexer[Build To Order] Table

Frequency	TRIPLEXER	DUPLEXER		
	144/430/1200MHz	28/50MHz	430/1200MHz	
Model	CFX431 (Cable Type)	CF360B (Cable Type)	CF413 (Cable Type)	CF4130 (Plug Type)
Connector	E Type 		E Type F Type 	E Type
Frequency Insertion Loss	1.3~150MHz 0.2dB 350~500MHz 0.3dB 840~1400MHz 0.4dB (840~850MHz, if the individual terminal is type M)	1.3~30MHz 600W(PEP) 0.2dB 49~470MHz 600W(PEP) 0.25dB	1.3~460MHz 0.25dB 840~1400MHz 0.4dB (840~950MHz, if the individual terminal is type M)	1.3~460MHz 0.2dB 840~1400MHz 0.3dB
S.W.R	Below 1.2 for each bandwidth shown above			

The specifications shown in the above table are limited to the amateur radio band.

DUPLEXER



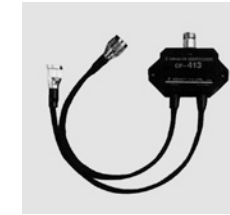
CF-530



CF-706



CF-306 (A Type)



CF-413 (B Type)



CF-416 (A Type)

●High Performance Coaxial Switch ●High Performance Coaxial Switch

CSW-201G Gold-plated M Type Connector

- Frequency Range:DC~600MHz
- Insertion Loss:DC~600MHz Below 0.12dB
- Max Pass-thru Power: 1500W PEP(DC~30MHz)
1000W PEP(30~150MHz)
500W PEP(150~600MHz)
- No. of Switching Circuits:2 Junctions per Circuit
- Input/Output Impedance:50Ω
- S.W.R:DC~600MHz Below 1.2
- Isolation:DC~600MHz Approx. 60dB
- Connector: M ● External Dimensions:72×78×47mm
- Weight:430g

Features: The CSW-201G is a manual 2 Junction Coaxial Switch in which high frequency signals are switched over the 50Ω line. Gold-plated connectors used to reduce contact resistance. Coaxial switch designed with emphasis on the high frequency characteristics for high frequency signals. The chassis forms a coaxial structure and has the following characteristics.

- Wide Frequency Range ●Low Pass Through Loss (Insertion Loss)
- Low SWR



CSW-201GN Gold-plated N Type Connector

- Frequency Range:DC~1,800MHz
- Insertion Loss:DC~1,800MHz Below 0.12dB
- Max Pass-thru Power: 1,500W(PEP) at DC~30MHz
500W(PEP) at 30~600MHz
150W(PEP) at 600~1,800MHz
- No. of Switching Circuits:2 Junctions per Circuit
- Input/Output Impedance:50Ω
- S.W.R:DC~600MHz Below 1.2 / 600~1,800MHz Below 1.3
- Isolation:DC~600MHz Approx. 60dB / 600~1,800MHz Approx. 45dB
- Input/Output Connector:N
- External Dimensions:72(W)×78(L)×47(H)mm
- Weight:430g



* The above photos are for the CSW-201GN.

●Compact Mobile Speaker for Communication

CB-980

- Size:110W×64H×55Dmm
- Weight:278g
- Max Power:5W
- Impedance:4Ω



Low-pass Filters

CF-30MR

- Passband: ~30MHz
- Insertion Loss: Within 0.4dB
- Attenuation: Above 60dB at 42~250MHz
- Input/Out Impedance: 50Ω
- VSWR: Below 1.2
- Max Power: 500W CW, 1KW PEP
- Input/Output Connector: M Type
- Weight: 800g
- External Dimensions: W250xD66xH64(mm)



CF-50MR

- Passband: ~54MHz
- Insertion Loss: Within 0.4dB
- Attenuation: Above 60dB at 72MHz~250MHz
- Input/Out Impedance: 50Ω
- VSWR: Below 1.2
- Max Power: 500W CW, 1KW PEP
- Input/Output Connector: M Type
- Weight: 800g
- External Dimensions: W250xD66xH64(mm)

● Antenna Analyzer

CAA-500MarkII

Standing Wave Analyzer 1.8-500MHz

- Frequency Range: 1.8-500 MHz
- Measured SWR Range: Analog 1.0-6.0 LCD 1.0-9.9
- Impedance Range: 12.5-300 Ohms
- Resistance Range: 10-500 Ohms
- Reactance Range: 0-500 Ohms
- RF Connectors: VHF: SO239 type UHF: N type
- Power Source: 6 x AA (Alkaline) or Ni-MH Cells
- Dimension: 89x196x70 (mm)
- Weight: Approx. 800g

Features

- Connect an antenna to the upper RF terminal
- Select the Target Frequency via the Frequency Range
- Easier than adjusting to the desired frequency using the Frequency Fine Tuning Dial
- Can be used with 6 x AA size batteries



*A measuring connector is attached to the device shown in the above photo.

● Antenna Analyzer

CAA-5SC

Fabric soft case for CAA-500 series and CAA-270 for protection from shock.

- Dimension : (W)95mm × (H)200mm × (D)75mm
- Fabric belt attached to be hung from the shoulder



*A measuring connector is attached to the device shown in the above photo.

SWR & Power Meters



CMX-200

- Frequency Range: 1.8~200MHz
- Power Measurement Range: 0~3KW(HF), 0~1KW(VHF)
- Power Display Range: 30/300/3KW
- Power Measurement Accuracy: $\pm 10\%$ (when full scale)
- SWR Measurement Range: 1.0~ ∞
- Impedance: 50 Ω
- Residual SWR: Below 1.2
- Insertion Loss: Below 0.2dB
- Minimum Power at SWR Measurement: Above 6W
- Connector: M Type
- Power Supply for Lighting: DC11~15V Approx. 225mA
- Dimensions: W120×H80(85)×D105(125)mm
- ※ Number shown in parentheses includes protrusions
- Weight: Approx. 623g



CMX-400

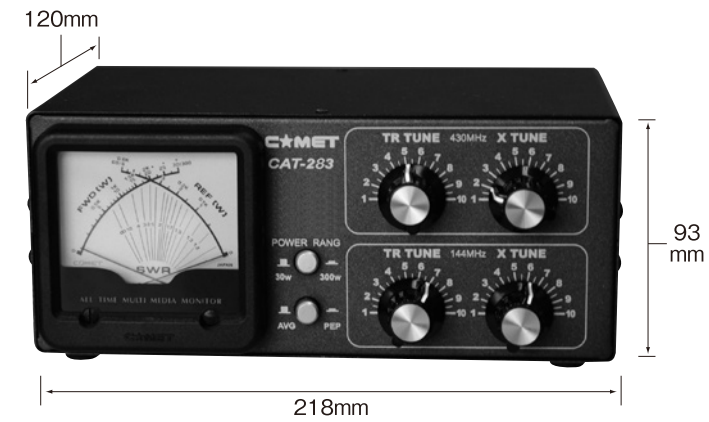
- Frequency Range: 140~525MHz
- Power Measurement Range: 0~200W(VHF/UHF)
- Power Display Range: 30/60/200W
- Power Measurement Accuracy: $\pm 10\%$ (when full scale)
- SWR Measurement Range: 1.0~ ∞
- Impedance: 50 Ω
- Residual SWR: Below 1.2
- Insertion Loss: Below 0.2dB
- Minimum Power at SWR Measurement: Above 6W
- Connector: M Type
- Lighting Power Supply: DC11~15V Approx. 225mA
- Dimensions: W120×H80(85)×D105(125)mm
- ※ Number shown in parentheses includes protrusions
- Weight: Approx. 623g

Antenna Couplers



CAT-10

- Frequency Range: 3.5~50MHz (includes WARC band)
- Band: 7 Band
- Input Impedance: 50~600 Ω
- Output Impedance: 50 Ω
- Pass-band Power Rating: Below 10W(CW)
- Dimensions: W162×H58×D120mm
- Weight: 900g
- Additional Circuit: Tuning Indicator (LED Tuning Display)



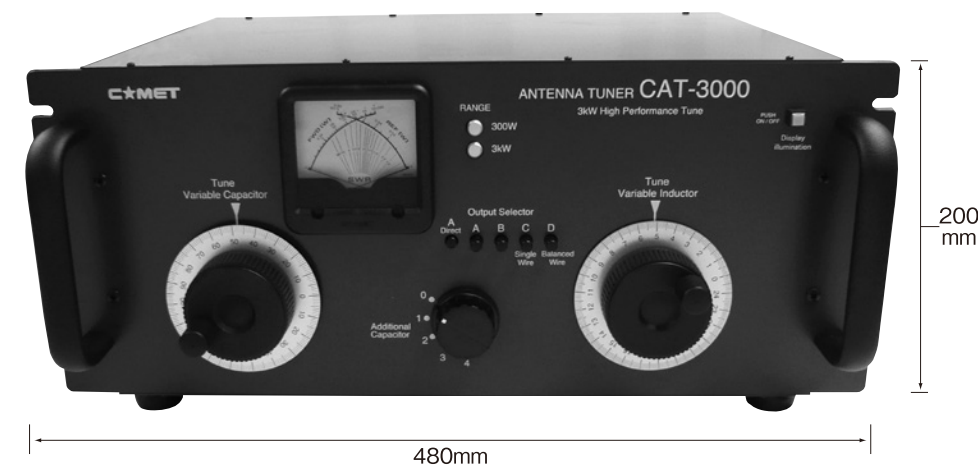
CAT-283 144MHz/430MHz Dual Type

- Frequency Range: 144~146MHz/430~440MHz
- Input Impedance: 50 Ω
- Output Impedance: 15~200 Ω
- Pass-band Power Rating: Below 200W(FM)
- Minimum Power at SWR Measurement: Above 6W
- Lighting Power Supply: DC11V~15V Approx. 250mA
- Dimensions: W218mm×H93(98)mm×D120(152)mm
- (Number shown in parentheses includes protrusions)
- Weight: Approx. 1.4kg



CAT-300

- Frequency Range: 1.8~60MHz
- Band: 11 Band
- Input Impedance: 50 Ω
- Output Impedance: 10~600 Ω
- Pass-band Power Rating: Below 300W(SSB)
- Minimum Power at SWR Measurement: Above 6W
- Lighting Power Supply: DC11V~15V Approx. 250mA
- Dimensions: W250mm×H93(98)mm×D200(242)mm
- (Number shown in parentheses includes protrusions)
- Weight: Approx. 2.7kg



CAT-3000

- Frequency Range: 1.8~30MHz
- Dimensions: W481 (※423)mm×H200mm×D307mm
- ※ Chassis Section without the Front Panel (Does not include the size of the protrusions)
- Weight: Approx. 11kg
- Supports 3kW(SSB) Input
- Manual Adjustment of Variable Inductor, Variable Condenser
- Coaxial Type, Wire Type Supports both antennas
- Rack Mount (JIS, 19 Inches) Dual Support Front Panel
- Input/Output Connector: N Type

※ Limited Edition. Please check availability.

Comet Income Series

Comet Income Series: Wide range in variation to satisfy numerous situations, such as amateur radios, motorbike radios, etc. Suitable for leisure/business use.

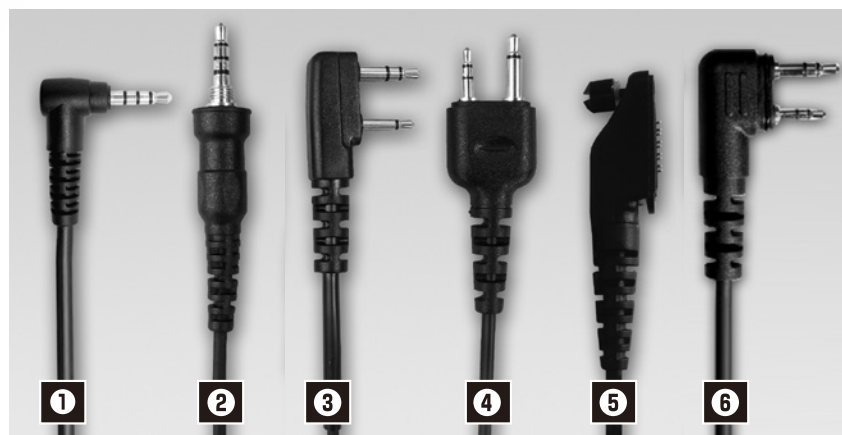
※Please note that the photo shown may change, subject to changes in specifications.



CEM100

Plug Shapes and their Corresponding Manufacturers

Comet's Income Series Plug Shapes vary based on the equipment manufacturer. Please check at the time of purchase.

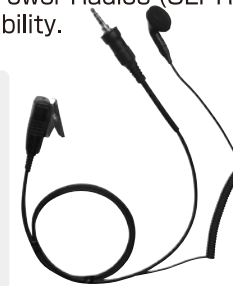


- ①Y Type.....for YAESU L Type 4P no screws
- ②YL TypeSTANDARD VX-6·VX-7, 4P with screws
- ③K Type.....for KENWOOD
- ④F Typefor ICOM/ALINCO
- ⑤9P Typefor ICOM
- ⑥I Typefor ICOM

CEM100F·K·Y·YL·YS·I

Perfect for Amateur/Specified Low Power Radios (SLPR). Thick cables adopted for added durability.

- Microphone
Type:Condenser Directional Characteristic:Omni-directional
Frequency Characteristic:20Hz~20KHz
Sensitivity:-40±2dB
- Earphone
Type:Dynamic Impedance:32Ω
Frequency Characteristic:450Hz~20KHz
Maximum Output:50mW



CEM-150F·K·Y·YL

Earphone & Microphone
Canal Type

- Microphone
Type:Condenser Directional Characteristic:Omni-directional
Frequency Characteristic:20Hz~20KHz
Sensitivity:-40±2dB
- Earphone
Type:Dynamic Impedance:32Ω
Frequency Characteristic:450Hz~20KHz
Maximum Output:50mW



CEM200F·K·Y·YL·I

Ear Loop
H 20 Loop Shape Type (Hard to slip off)
PTT Switch:Unlockable Type

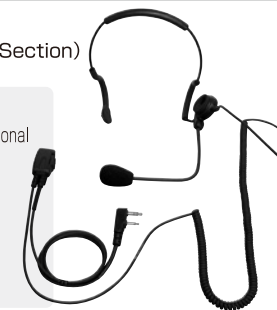
- Microphone
Type:Condenser Directional Characteristic:Omni-directional
Frequency Characteristic:20Hz~20KHz
Sensitivity:-40±2dB
- Earphone
Type:Dynamic Impedance:32Ω
Frequency Characteristic:300~7500Hz
Maximum Output:500mW



CNM300F·K·Y·YL

Headset
Neck Type(Robust, Hard-to-break Neck Section)
PTT Switch:Slide Lock Type

- Microphone
Type:Condenser Directional Characteristic:Omni-directional
Frequency Characteristic:20Hz~20KHz
Sensitivity:-40±2dB
- Earphone
Type:Dynamic Impedance:32Ω
Frequency Characteristic:450Hz~20KHz
Maximum Output:30mW



CEM450F·K·Y·YL

Perfect for Amateur/Specified Low Power Radios (SLPR). Thick cables adopted for added durability. No discomfort even after extended use.



- Microphone
Type:Condenser Directional Characteristic:Omni-directional
Frequency Characteristic:20Hz ~20KHz
Sensitivity:-40±2dB
- Earphone
Type:Dynamic Impedance:110Ω
Frequency Characteristic:750~9300Hz
Maximum Output:30mW

CTM480F·K·Y·YL

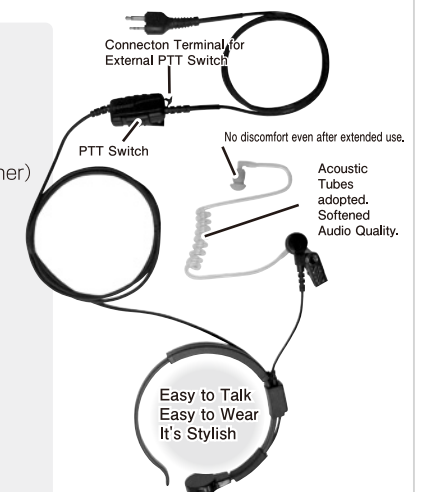
Perfect for Survival Games, including Motorbiking and Paragliding! Improved Clarity.

※The clarity may differ depending on the position in which the microphone is attached.

- SP
Type:Magnetic Oscillator
Frequency Characteristic:1.2~12KHz
Impedance:110Ω (KENWOOD), 16Ω (Other)

- MIC
Type:Condenser
Directional Characteristics:Non-directional
Frequency Characteristic:50Hz~12KHz
Sensitivity:-45±2dB

- PTT Slide Lock Type
2P for external PTT
(for 2.5φ Jack included)



ACCESSORIES ACCESSORIES

CEM-EX1F·K·Y·YL

Connector and Microphone with the freedom to choose your own Earphone

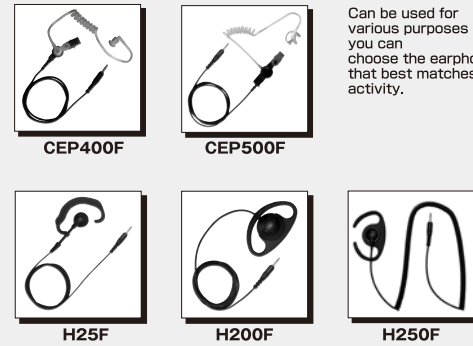
- Microphone
Type:Condenser
Directional Characteristic:Omni-directional
Frequency Characteristic:20Hz~20KHz
Sensitivity:-40±2dB
- PTT:Slide Lock

External Earphone Terminal 3.5φ



External PTT Terminal 2.5φ

6 Types of Earphones to choose from!



Can be used for various purposes as you can choose the earphone that best matches the activity.

PS8F (External PTT Switch)

External PTT Switch
Exterior for your fingers
"Perfect for hang-gliders"
Unlockable Type
External PTT Option
Plug Diameter:2.5φ



PS8 (External PTT Switch)

External PTT Switch
Round Exterior
"for Motorbikes/Backpacks"
Unlockable Type
External PTT Option
Plug Diameter:2.5φ

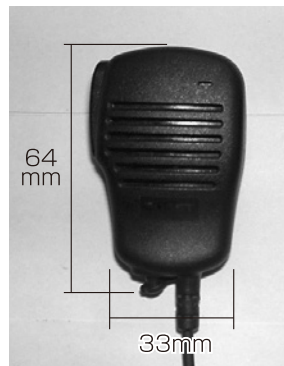


Microphone

HM-S9F·K·Y·YL·I Speaker Microphone

Despite its compact size, emphasis on audio quality.
More compact in comparison with our past products!

- SP
Type:Dynamic
Impedance:8Ω
Maximum Input:200mw
Karl Code:0.5~1.5m
Speaker Diameter:28m/m
- MIC
Type:Electret Condenser
Directional Characteristics:
Omni-directional
Impedance:1KΩ
- Earphone Jack included...2P(3.5φ)



HM-M40 Pin Type Microphone



- PTT Switch & Rotary Clip included
- Cord Length:1m
- 2.5φ Plug included

DPR Series (for ICOM 9-pin Jack Units ONLY)

HM-S9DPR Speaker Microphone



- The sound is great owing to the use of the 36mm speaker.
- Easy-to-use design which fits comfortably into your hand.
- Includes a 360° Rotary Clip. Very convenient when used attached to your clothing.
- Even in noisy environments, you can still enjoy clear reception through your earphones as it comes with an earphone jack.

CEM100DPR Earphone & Microphone

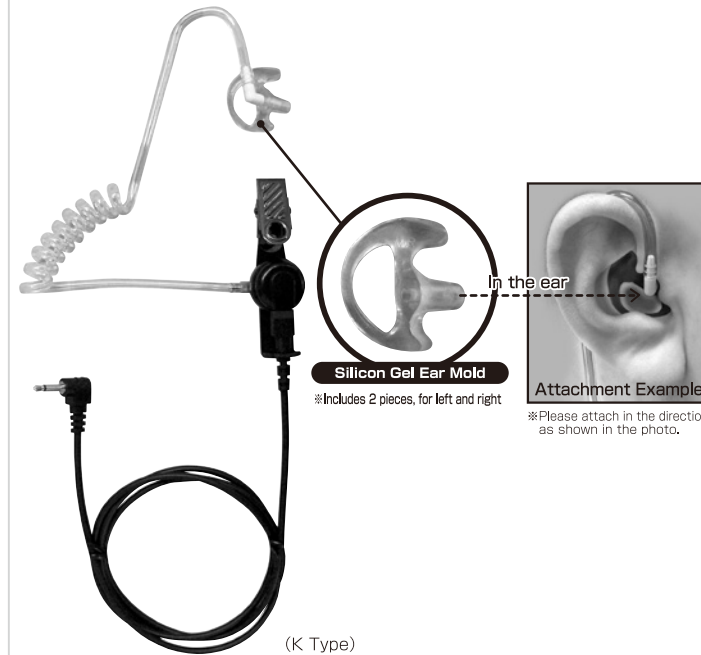


- Suitable for active use as it can be attached directly to the ear.
- Can be used in either the left or right ear.
- The PTT Switch is an Unlockable Type.

Earphones

CEP500F·K PAT.P

Stay actively engaged as it will not cover your ears when attached!!
Softened audio quality through the adoption of the Acoustic Tube.
No discomfort even after extended use!!



- Type:Magnetic Type
- Frequency Characteristic:750~9300Hz
- Maximum Output:30mW
- Impedance:110Ω

H250F·K PAT.P



(F Type)

Can be used in either ear, left or right, as the cord section will rotate 360 degrees!
Flexibly deformable hook section.
Adjustable to the shape/size of your ear.

- Type:Dynamic
- Frequency Characteristic:20KHz
- Maximum Output:50mW
- Impedance:32Ω



H-200F·K H-200F (50cm) K (50cm)

- F Type:3.5φ Plug
- K Type:2.5φ Plug
- Impedance:32Ω
- Maximum Input:0.5W
- Cord Length:0.9m (Standard Length)



(K Type)

CEP400F·K

Acoustic Tube Earphone Type
(No discomfort even after extended use)



(K Type)

- Earphone
Type:Dynamic Impedance:110Ω
Frequency Characteristic:750~9300Hz
Maximum Output:30mW

H25F·K·F (50cm)

Ear Hook Type Earphone

- Type:Dynamic
- Impedance:32Ω
- Frequency Characteristic:450Hz~20KHz
- Maximum Output:30mW



★(K50cm Type)