

DIAMOND
ANTENNA

COMMUNICATION WORLD

ANTENNAS / ACCESSORIES

CATALOG

4

MOBILE WHIP ANTENNAS
MOBILE RECEIVING ANTENNAS
FIXED STATION ANTENNAS
MOBILE TELEPHONE TYPE ANTENNAS
INDOOR PORTABLE ANTENNAS
TRAP DIPOLE ANTENNAS
GROUND PLANE ANTENNAS
ANTENNAS FOR HANDHELD TRANSCEIVERS
EXTERNAL SPEAKERS
SWR/POWER METERS
COAXIAL SWITCHES
SURGE PROTECTORS
DC POWER SUPPLIES
DC/DC CONVERTERS
DUMMY LOADS DUPLEXERS
COAXIAL CABLES
ANTENNA BRACKETS
MAGNET ANTENNA BASES
GRIP TYPE ANTENNA BASES
AND OTHERS

Anteny mobil KF

Amateur radio antennas



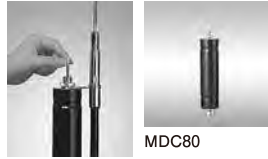
| Model | Frequency | Gain | Max. power rating | Length | Weight | Connector | Type |
|---|-------------------------------|-----------------------------------|----------------------|-----------|--------|-----------|---|
| SLIM GAINER HF/V/UHF Mobile Whip Antenna | | | | | | | |
| AZ504FX | 144/430MHz(2m/70cm) | 2.15dBi(430MHz) | 50W FM (Total) | 0.39m | 70g | MP | 1/4λ(144MHz),1/2λ radialless(430MHz) |
| AZ506FXH | 144/430MHz(2m/70cm) | 2.15dBi(144MHz),4.5dBi(430MHz) | 50W FM (Total) | 0.66m | 80g | MP | 3/8λ (144MHz), 3/4λ (430MHz) |
| AZ506FX | 144/430MHz(2m/70cm) | 2.15dBi(144MHz),4.5dBi(430MHz) | 50W FM (Total) | 0.67m | 85g | MP | 3/8λ(144MHz), 3/4λ(430MHz) Nickel titanium/FRP outershell |
| AZ507FXH | 144/430MHz(2m/70cm) | 2.15dBi(144MHz),4.9dBi(430MHz) | 50W FM (Total) | 0.75m | 120g | MP | 1/2λradialless (144MHz), 2 x 5/8λradialless (430MHz) |
| AZ507FX | 144/430MHz(2m/70cm) | 2.15dBi(144MHz),4.9dBi(430MHz) | 50W FM (Total) | 0.75m | 120g | MP | 1/2λ radialless(144MHz), 2x5/8λ radialless(430MHz) |
| AZ510FX | 144/430MHz(2m/70cm) | 2.15dBi(144MHz),5.5dBi(430MHz) | 50W FM (Total) | 0.92m | 100g | MP | 1/2λ radialless(144MHz), 2x5/8λ radialless(430MHz) / Nickel titanium/FRP outershell |
| AZ503 | 144/430MHz(2m/70cm) | 1.69dBi(430MHz) | 50W FM (Total) | 0.34m | 65g | MP | 1/4λ(144MHz), 3/8λ(430MHz) |
| AZ504 | 144/430MHz(2m/70cm) | 2.15dBi(430MHz) | 50W FM (Total) | 0.39m | 70g | MP | 1/4λ(144MHz), 1/2λ radialless(430MHz) |
| AZ505/N | 144/430MHz(2m/70cm) | 3.8dBi(430MHz) | 50W FM (Total) | 0.47m | 75g | MP/NP | 1/4λ(144MHz), 6/8λ C-Load radialless(430MHz) |
| AZ506 | 144/430MHz(2m/70cm) | 2.5dBi(144MHz),4.5dBi(430MHz) | 50W FM (Total) | 0.67m | 100g | MP | 3/8λ(144MHz), 3/4λ(430MHz) |
| AZ507R | 144/430MHz(2m/70cm) | 2.15dBi(144MHz), 4.9dBi(430MHz) | 50W FM (Total) | 0.75m | 120g | MP | 1/2λ radialless(144MHz), 2 x 5/8λ radialless(430MHz) |
| AZ510/N | 144/430MHz(2m/70cm) | 2.15dBi(144MHz), 5.5dBi(430MHz) | 50W FM (Total) | 0.95m | 120g | MP/NP | 1/2λ radialless(144MHz), 2x5/8λ radialless(430MHz) |
| AZ510FMH | 144/430MHz(2m/70cm) | 2.15dBi(144MHz),5.5dBi(430MHz) | 50W FM (Total) | 0.91m | 105g | MP | 1/2λ radialless(144MHz),2x5/8λ radialless(430MHz) |
| AZ910 | 50/144/430MHz (6m/2m/70cm) | 2.15dBi (144MHz), 5.5dBi (430MHz) | 50W FM (Total) | 0.95m | 120g | MP | 1/4λ(51-52MHz), 1/2λradialless (144MHz), 2x5/8λradialless(430MHz), |
| AZ805M/N | 144/430/1200MHz(2m/70cm/23cm) | 3.8dBi (430MHz), 7.2dBi (1200MHz) | 50W FM (Total) | 0.57m | 84g | MP/NP | 1/4λ(144MHz), C-Load radialless(430MHz), 3x5/8λradialless (1200MHz) |
| RHM Series | | | | | | | |
| RHM8B | 7-50MHz | — | 120W (SSB) | 0.5-1.78m | 285g | BNC-P | 1/4 wave reduced (HF band), 1/4 wave(50MHz) |
| RHM10 | 7-430MHz | — | 130W (SSB) | 0.5-1.77m | 300g | MP | 1/4 wave reduced (HF band), 1/4 wave(50/144MHz),5/8 wave (144/430MHz) 144MHz can be operated at both 1/4 wave and 5/8 wave by the length of the rod element. |
| RHM7350 | 7-30/50MHz | — | 130W(SSB),40W(FM/CW) | 1.34-2.6m | 290g | MP | 1/4λreduced type (HF), 1/4λ(50MHz) |
| Z Series | | | | | | | |
| Z07M | 144/430MHz(2m/70cm) | 2.15dBi(144MHz), 4.9dBi (430MHz) | 60W FM (Total) | 70cm | 290g | MP | 1/2λ radialless (144MHz), 2 x 5/8 λradialless (430MHz) |
| Z10M | 144/430MHz(2m/70cm) | 2.15dBi(144MHz), 5.5dBi (430MHz) | 60W FM (Total) | 86cm | 270g | MP | 1/2λ radialless (144MHz), 2 x 5/8 λradialless (430MHz) |

*Impedance:50Ω, VSWR:Less than 1.5

HF Mobile Whip Antenna

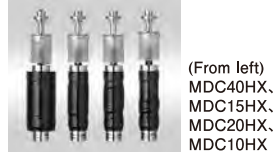


MD200



MDC80

MDC80 (3.5MHz/80m)
MD200(antenna body)
 ※Max.power rating:120W(SSB)



(From left)
 MDC40HX,
 MDC15HX,
 MDC20HX,
 MDC10HX

MDC40HX (7MHz/40m)
 ※ Max power rating 200W (SSB)
MDC20HX (14MHz/20m)
 ※ Max power rating 300W (SSB)
MDC15HX (21MHz/15m)
 ※ Max power rating 300W (SSB)
MDC10HX (28MHz/10m)
 ※ Max power rating
 300W (SSB) 100W (29MHz)



MDC730HX (7to30MHz)
 ※Max power rating
 200W(SSB), 70W(FM,CW)

MD200
 Length:2.00m
 Weight:640g
 Connector:MP

The replacement coil has to be used with MD200. It cannot be used by itself.

HF Mobile Screwdriver Antenna



SDC1

Frequency: 3.5/7/10/14/18/21/24/28(29)/50MHz
 Band
 Operation time:
 ●3.5MHz→HOM→3.5MHz approx. 160 sec.
 ●7MHz→HOM→7MHz approx. 50 sec.
 ●14MHz→HOM→14MHz approx. 20 sec.
 ※HOM -Operation standard position (Lowest position of the coil)
 Power supply voltage & current: DC12V (9-14.5V) 200mA
 Dimensions: 85(W)x 120(D)x 32(H)mm
 Weight: 380g



OPE750

Frequency:7-50MHz
 Element length:770mm

SD330

Frequency: 3.5-30MHz
 Max. power rating: 200W (SSB)
 Impedance: 50Ω
 VSWR: Less than 2.0
 Connector: MP
 Length: 1.85m Weight: 1.1kg
 Type: 1/4 λ center loading
 Power supply voltage & current: DC12V / 100mA
 Up-down time:
 approx. 50 seconds (3.5 to 30MHz)
 approx. 20 seconds (7 to 30MHz)

Magnet Antenna Grounding Sheet

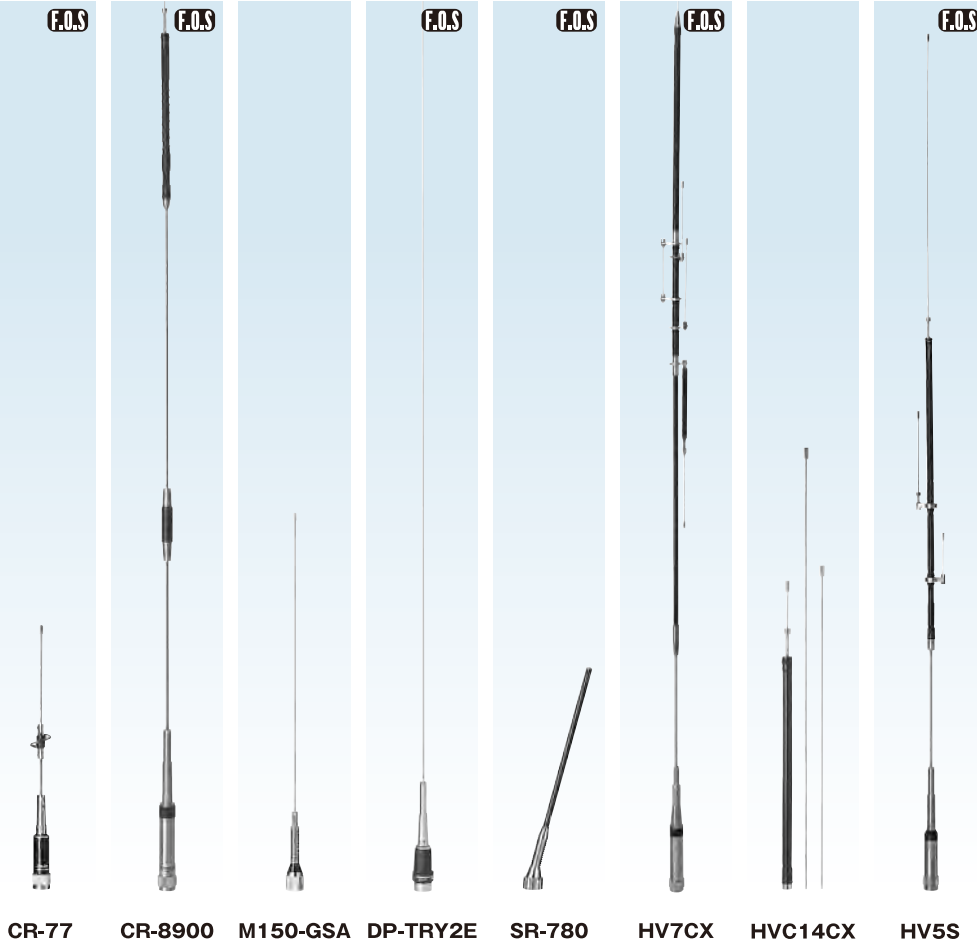


MAT 50

MAGNET ANTENNA GROUNDING SHEET

Frequency:7-50MHz
 (3.5MHz BY USING TWO SHEETS)
 Max power rating:
 500W(SSB)
 200W(FM/CM)
 Ambient temperature:
 -20C to +90C
 Adhesive performance:
 110km/h (with no wind)
 Dimensions:
 80mm x 195mm
 (sheet size)
 Cable length:
 approx. 30cm
 Weight:55g
 Accessory:
 16mm lug,
 heat shrink tubing

HF/V/UHF Mobile Whip Antenna



CR-77

CR-8900

M150-GSA

DP-TRY2E

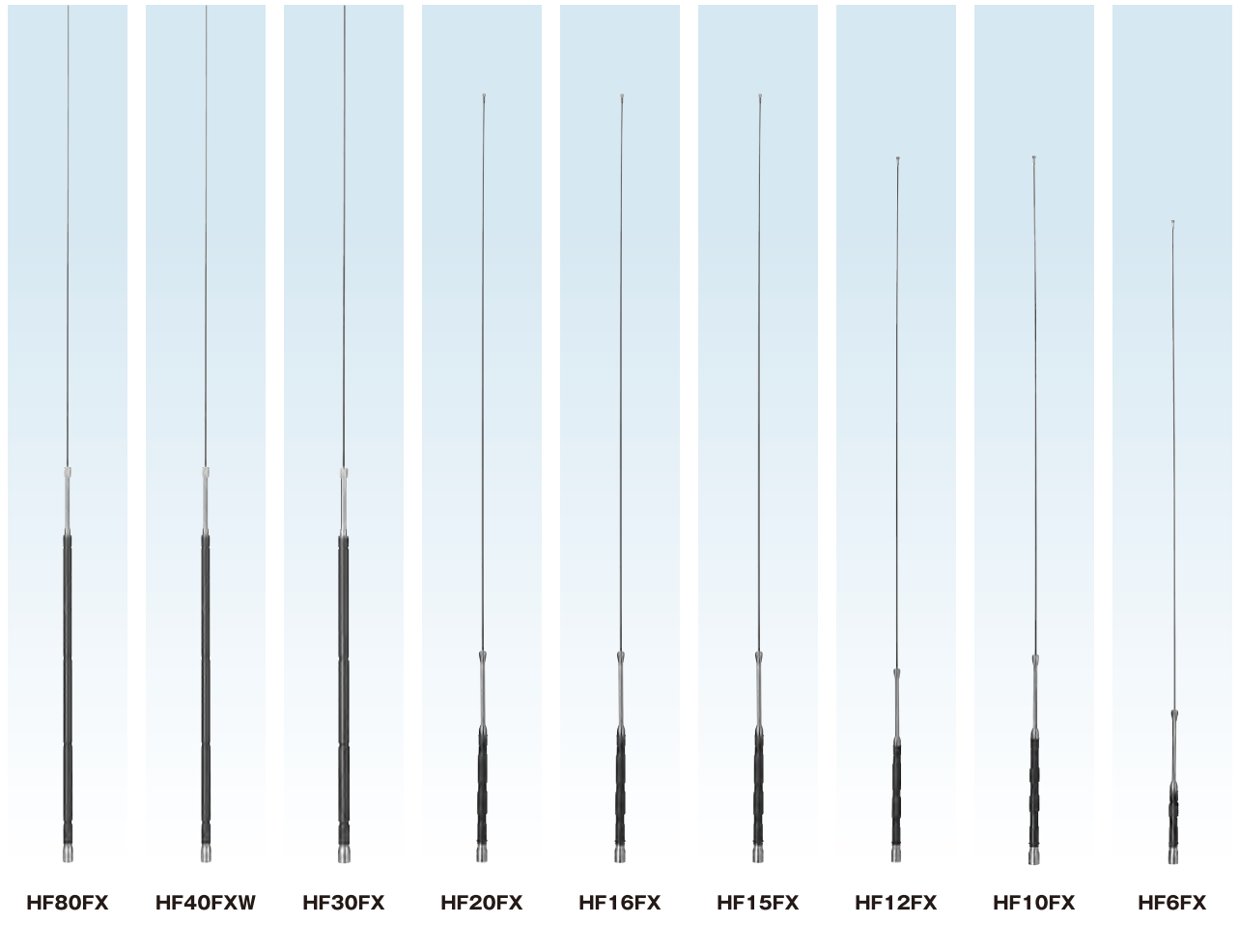
SR-780

HV7CX

HVC14CX

HV5S

Amateur radio antennas



HF80FX

HF40FXW

HF30FX

HF20FX

HF16FX

HF15FX

HF12FX

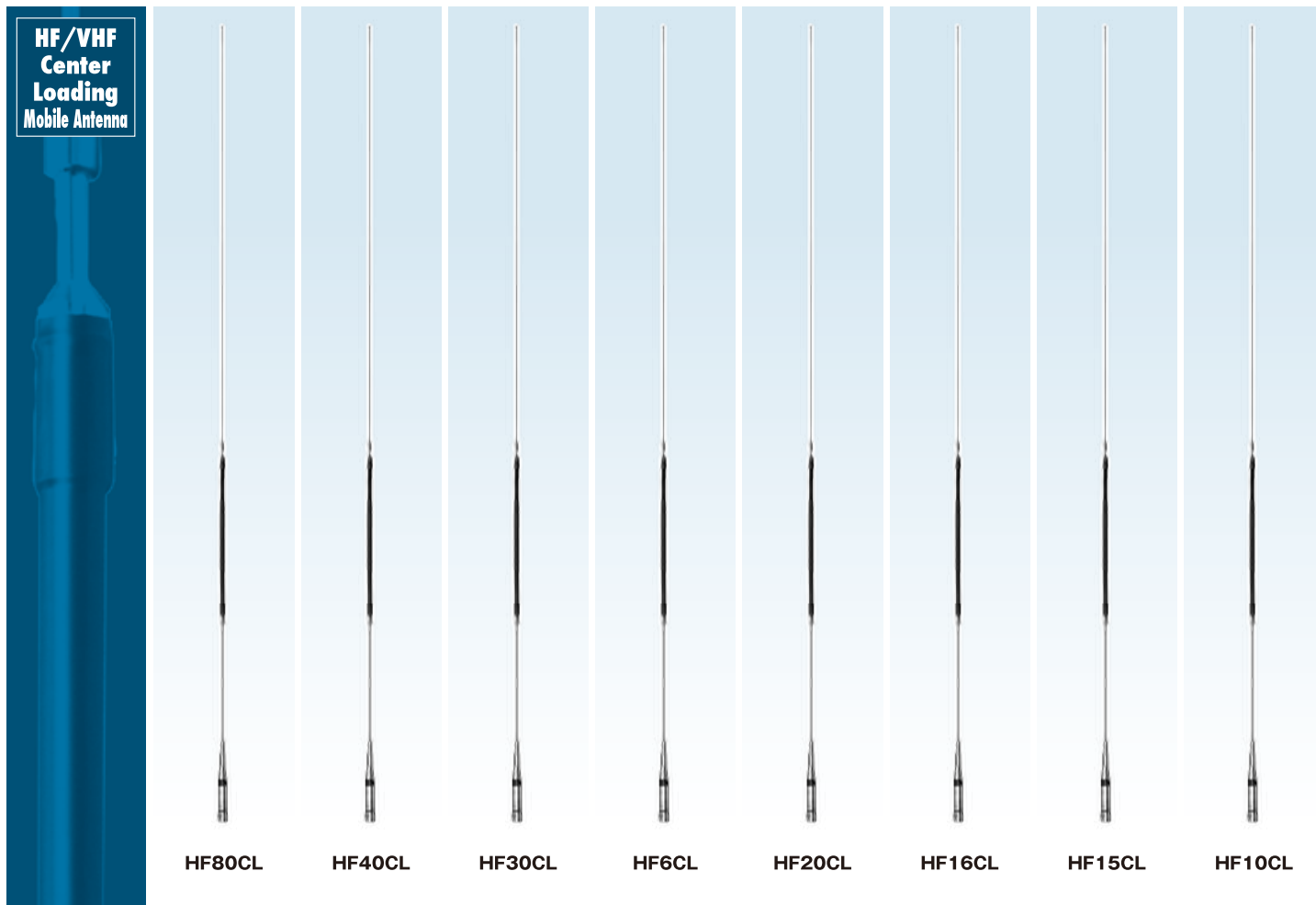
HF10FX

HF6FX

| Model | Frequency | Gain | Max. power rating | Length | Weight | Connector | Type |
|---|--|------------------------------------|---|--------|---------------------------------|-----------|--|
| HF & V/UHF Mobile Whip Antenna | | | | | | | |
| CR-77 | 144/430MHz(2m/70cm) | 2.15dBi(144/430MHz) | 100W(Total) | 0.29m | 90g | MP | 1/4λ(144MHz), 1/2λ(430MHz) |
| CR-8900 | 29(FM)/50(FM)/144/430MHz (10m/6m/2m/70cm) | 2.15dBi(144MHz), 5.5dBi(430MHz) | 60W/FM(Total) | 1.26m | 490g | MP | 1/4λ(29/50MHz), 1/2λ radialless(144MHz), 2 x 5/8λ(430MHz) |
| M150-GSA | 144MHz(2m) | — | 200W | 0.51m | 110g | MP | 1/4λ |
| DP-TRY2E | 144MHz(2m) | 3.4dB | 200W | 1.32m | 200g | MP | 5/8λ, 1/4λ(50MHz) |
| SR-780 | 144/430MHz(2m/70cm) | 2.15dBi(144MHz), 3.4dB(430MHz) | 50W | 0.44m | 330g | MP | 1/4λ(144MHz), 5/8λ(430MHz) for trunk lid base use |
| HV7CX | ★1 | 2.15dBi(144MHz), 5.5dBi(430MHz) | 120W SSB(7~28MHz), 200W SSB(50~430MHz) | 1.9m | 660g(with 7MHz loading coil) | MP | 1/4λ(7~50MHz), 1/2λ(144MHz), 2x5/8λ(430MHz) |
| HVC14CX | 10/14MHz(30m/20m) | — | 120W (SSB) | — | — | — | Optional element for HV7CX |
| HV5S | 7/21/50/144/430MHz (40m/15m/6m/2m/70cm) | 3.2dBi (430MHz) | 120W SSB(7/21/50MHz), 200W SSB(144/430MHz) | 1.42m | 470g | MP | 1/4λ(7/21/50/144MHz), 5/8λ(430MHz) |
| HF/VHF Mobile Whip Antenna | | | | | | | |
| HF80FX | 3.5MHz(80m) | — | 120W(SSB) | 1.4m | 220g | MP | 1/4λ base loading |
| HF40FXW | 7MHz(40m) | — | 200W(SSB) | 1.4m | 270g | MP | 1/4λ base loading |
| HF30FX | 10MHz(30m) | — | 220W(PEP) | 1.4m | 240g | MP | 1/4λ base loading |
| HF20FX | 14MHz(20m) | — | 220W(SSB) | 1.2m | 210g | MP | 1/4λ base loading |
| HF16FX | 18MHz(16m) | — | 220W(SSB) | 1.2m | 190g | MP | 1/4λ base loading |
| HF15FX | 21MHz(15m) | — | 220W(SSB) | 1.2m | 160g | MP | 1/4λ base loading |
| HF12FX | 24MHz(13m) | — | 220W(SSB) | 1.1m | 150g | MP | 1/4λ base loading |
| HF10FX | 28MHz(10m) | — | 250W(SSB) | 1.1m | 180g | MP | 1/4λ base loading |
| HF6FX | 50MHz(6m) | — | 250W(SSB) | 1.0m | 130g | MP | 1/4λ base loading |

★1 = 7/(10/14)/21/(18/24)/28/50/144/430MHz(40m/(30m/20m)/15m/(17m/13m)/10m/6m/2m/70cm) 10/14MHz(30m/20m) and 18/24MHz(17m/13m) are with optional loading coils
 * Impedance : 50Ω, VSWR : Less than 1.5

Amateur radio antennas



| Model | Frequency | Gain | Max.power rating | Length | Weight | Connector | Type |
|---|--------------|---------|--------------------|--------|--------|-----------|------------------------------------|
| HF/VHF Center Loading Mobile Antenna | | | | | | | |
| HF80CL | 3,5MHz (80m) | - | 120W(SSB), 40W(FM) | 2,22m | 590g | MP | 1/4 wave center loading |
| HF40CL | 7MHz (40m) | - | 200W(SSB), 70W(FM) | 2,2m | 590g | MP | 1/4 wave center loading |
| HF30CL | 10MHz(30m) | - | 200W(SSB), 70W(CW) | 2,2m | 590g | MP | 1/4λ center loading |
| HF6CL | 50MHz (6m) | 2.15dBi | 250W(SSB), 80W(FM) | 2,2m | 550g | MP | 1/2 wave radialless center loading |
| HF20CL | 14MHz (20m) | - | 200W(SSB), 70W(FM) | 2,2m | 560g | MP | 1/4 wave center loading |
| HF16CL | 18MHz (16m) | - | 200W(SSB), 70W(FM) | 2,2m | 555g | MP | 1/4 wave center loading |
| HF15CL | 21MHz (15m) | - | 200W(SSB), 70W(FM) | 2,2m | 550g | MP | 1/4 wave center loading |
| HF10CL | 28MHz (10m) | - | 200W(SSB), 70W(FM) | 2,2m | 550g | MP | 1/4 wave center loading |

* Impedance : 50Ω, VSWR : Less than 1.5

Uwaga:

To jest tylko część katalogu z produktami Diamond Antenna. Pełny katalog w formie pdf (rozmiar 15MB) załadujesz pod adresem lub kliknij:
inradio.pl/diamond-katalog/DIAMOND-2019.pdf

NOTE

M connector

Though M receptacle being use throughout antennas are identical in its outlook with conventional UHF type receptacle, its characteristic performance is almost the same as one in N type receptacle, it is highly recommended to use DIAMOND's genuine antenna brackets and connection cables to maintain maximum antenna performance,(Due to difference in their thread pitch, same so called UHF type connectors can not fit in our receptacle.)

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