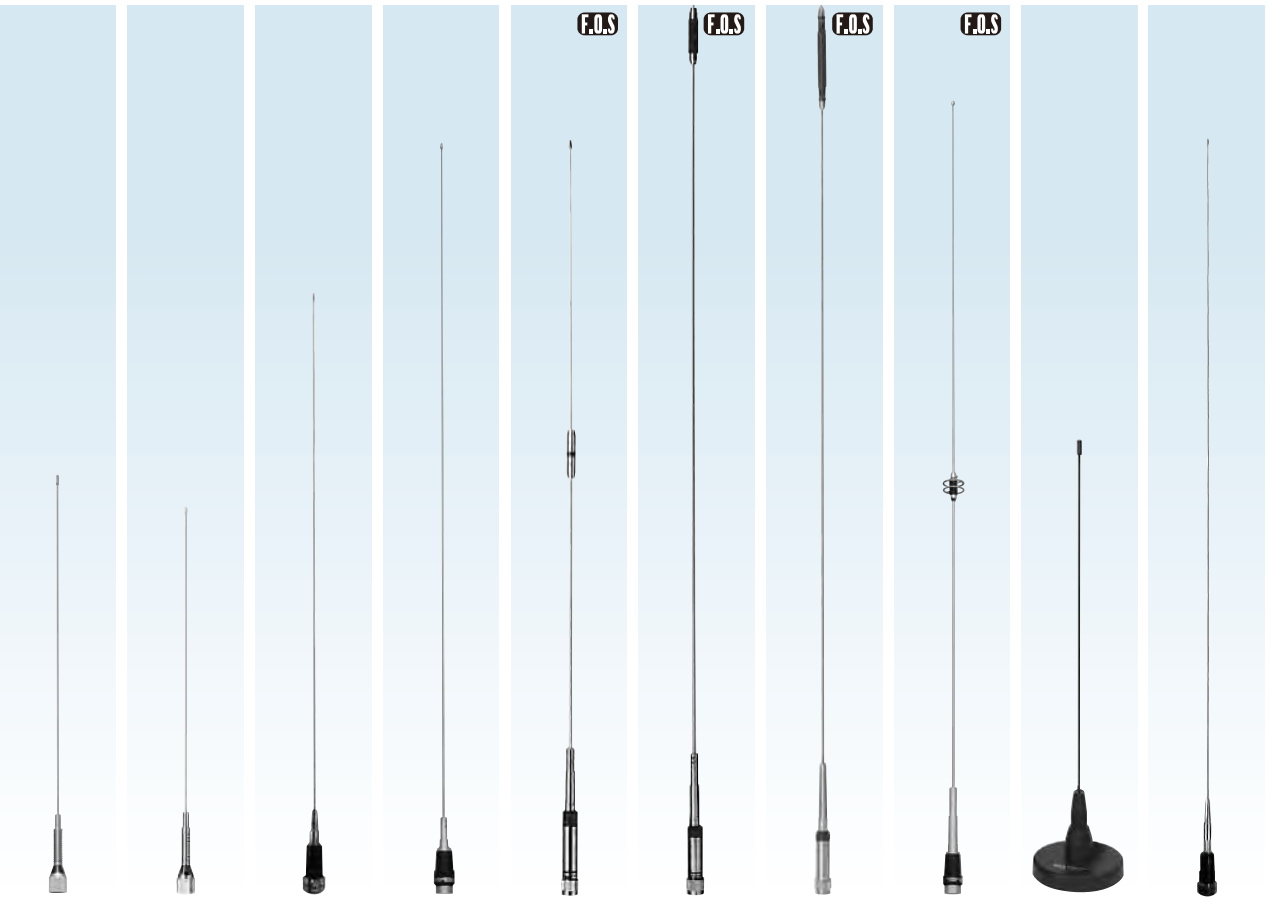
DIAMOND ANTENNA

COMMUNICATION WORLD

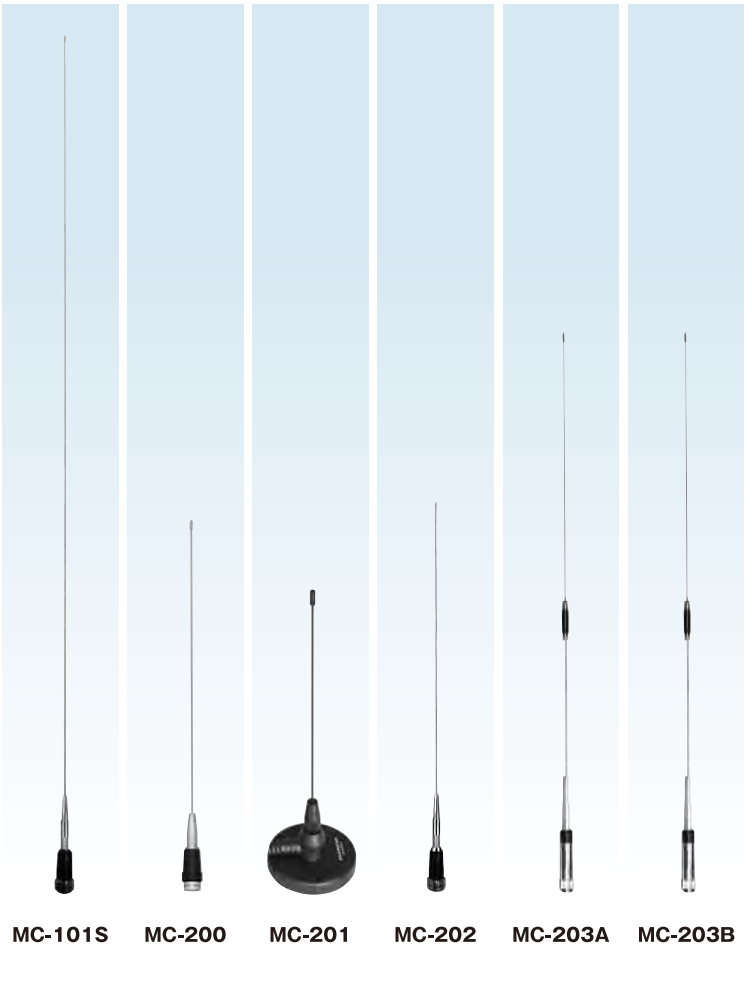
ANTENNAS / ACCESSORIES

CATALOG

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
CRIP TYPE ANTENNA BASES
AND OTHERS

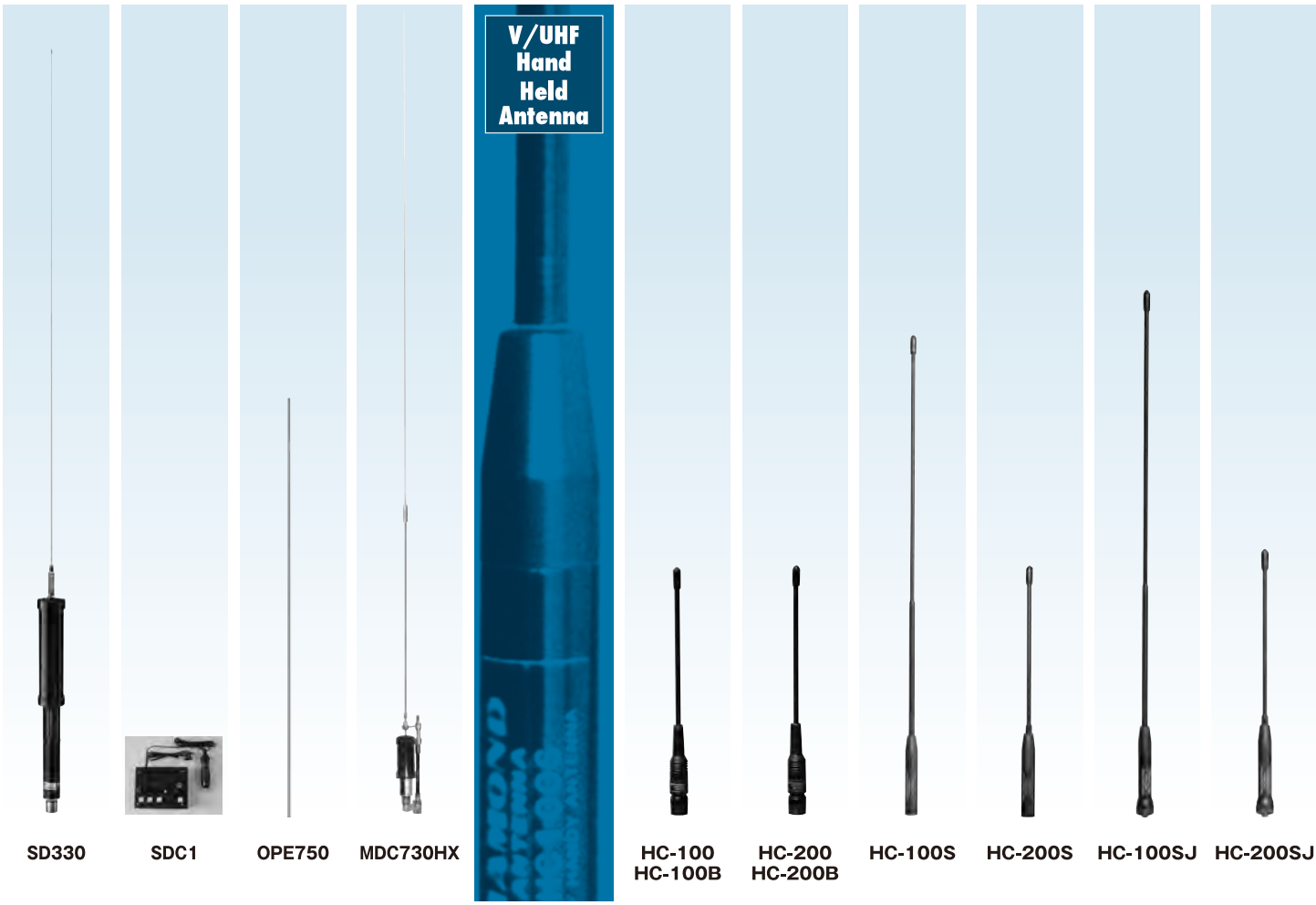


M150GS M150GSA M285S M285H DP-NR2C DP-NR22L DP-NR22LH CL2E MC-100 MC-101



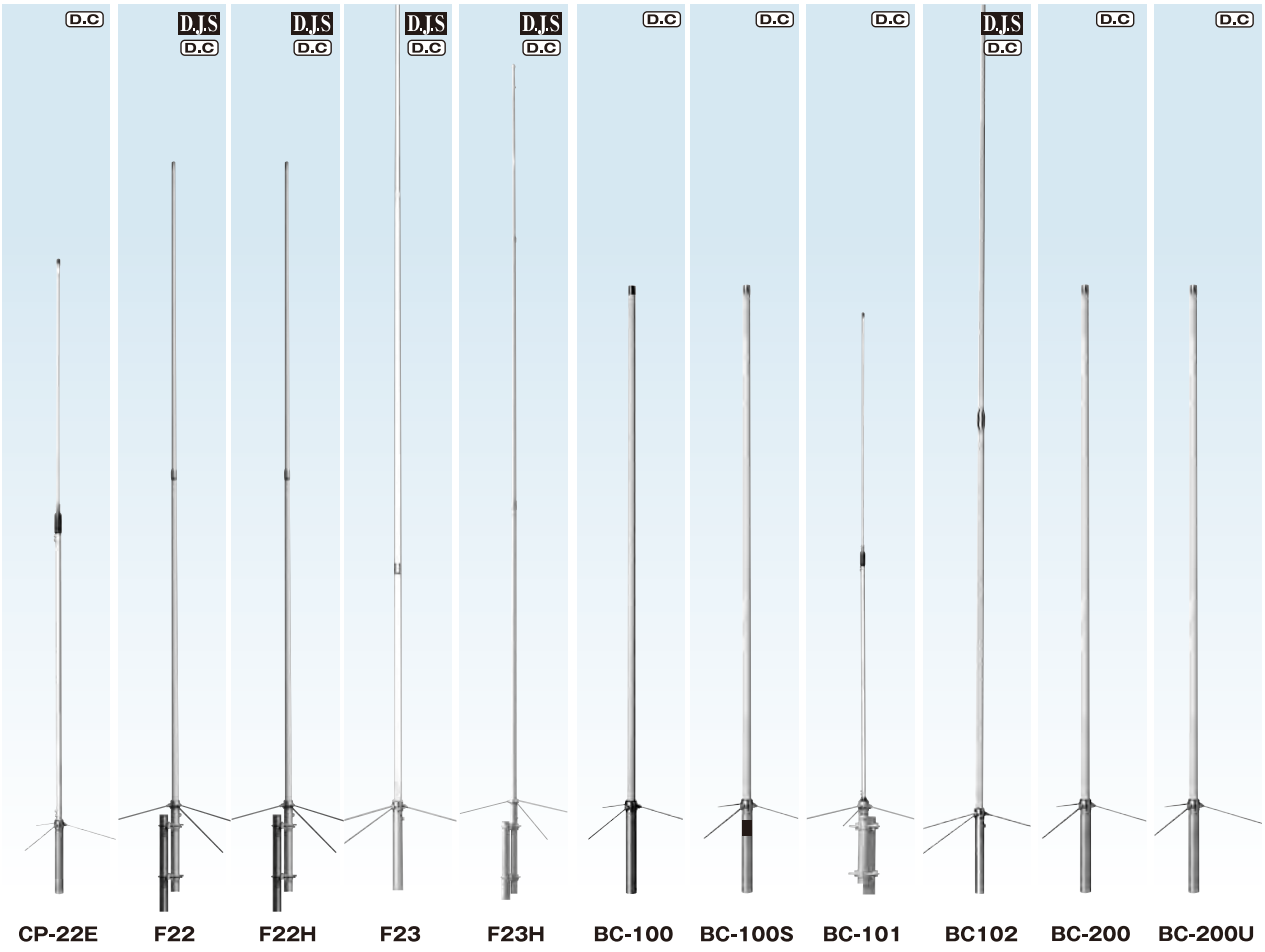
MC-101S MC-200 MC-201 MC-202 MC-203A MC-203B MC103A MC103B TK1173A

Commercial antennas

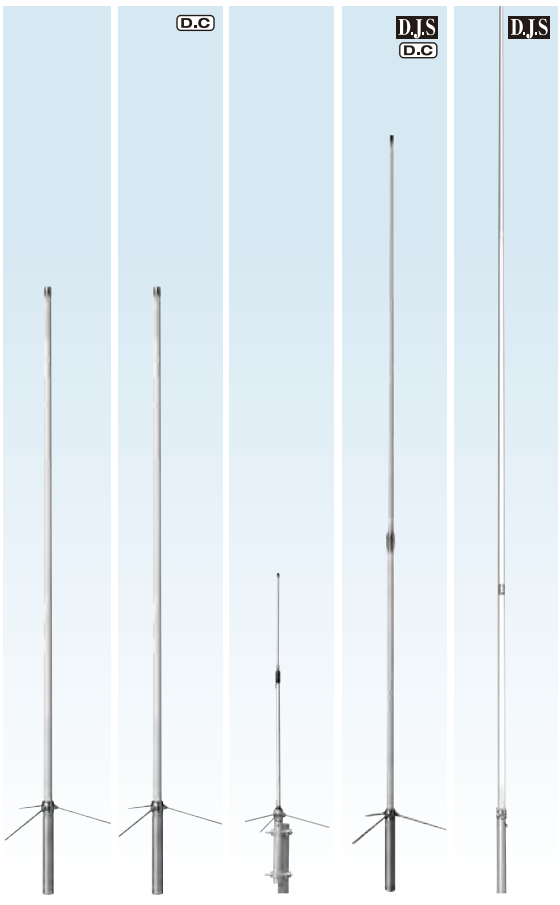


Model	Frequency	Gain	Max. power rating	Length	Weight	Connector	Type
V/UHF Mobile Whip Antenna with Cutting Chart							
M150GS	134 to 174MHz	2.15dBi	200W	0.58m	160g	MP	1/4λ
M150GSA	144 to 174MHz	2.15dBi	200W	0.50m	110g	MP	1/4λ
M285S	144 to 174MHz	3.4dB	200W	1.33m	180g	MP	5/8λ
M285H	134 to 174MHz	3.4dB	250W	1.40m	200g	MP	5/8λ
DP-NR2C	144 to 174MHz	4.1dB	150W	1.41m	200g	MP	6/8λ
DP-NR22L	144 to 160MHz	6.5dB	100W	2.46m	500g	MP	2 × 5/8λ redialless
DP-NR22LH	144 to 174MHz	6.5dB	280W	2.52m	520g	MP	2 × 5/8λ redialless
CL2E	144 to 174MHz	4.1dB	200W	1.45m	220g	MP	6/8λ
MC-100	134 to 174MHz	2.15dBi	70W	0.52m	390g	MP	1/4λ magnet mount antenna(with RG58/U 4m)
MC-101	134 to 174MHz	3.4dB	200W	1.42m	180g	MP	5/8λ
MC-101S	117 to 174MHz	3.4dB	200W	1.62m	180g	MP	5/8λ
MC-200	340 to 520MHz	3.4dB	250W	0.57m	170g	MP	5/8λ
MC-201	340 to 520MHz	2.15dBi	100W	0.31m	370g	MP	1/4λ magnet mount antenna(with RG58/U 4m)
MC-202	340 to 520MHz	3.4dB	200W	0.54m	130g	MP	5/8λ
MC203A	430 to 470MHz	5.5dBi	200W	0.86-0.97m	210g	MP	2 x 5/8 λ
MC203B	460 to 490MHz	5.5dBi	200W	0.86-0.97m	210g	MP	2 x 5/8 λ
VHF Mobile Wide Band Antenna							
MC103A	132 to 155MHz	3.2dBi	200W	1.515m	430g	MP	3/4 λ
MC103B	150 to 172MHz	3.2dBi	200W	1.41m	390g	MP	3/4 λ
HF Mobile Antenna							
TK1173A	2 to 30MHz	–	–	2.2m	3.3kg	–	–
SD330	3.5 to 30MHz	–	200W (SSB)	1.85m	1.1kg	MP	1/4 λcenter loading
SDC1	–	Please refer to P.12 for the details.					
OPE750	7 to 50MHz	–	–	770mm	–	–	Optional element for SD330
MDC730HX	7 to 30MHz	–	200W(SSB),70W(FM,CW)	–	700g	–	Coil only(Optional coil for MD200)
V/UHF Hand held Antenna with Cutting Chart							
HC-100/B	134 to 174MHz	2.15dBi	10W	0.19m	45g	TNCP/BNCP	1/4λ,120/150/300/450/800/900MHz receiving only
HC-200/B	350 to 520MHz	2.15dBi	10W	0.19m	45g	TNCP/BNCP	1/4λ,120/150/300/450/800/900MHz receiving only
HC-100S	134 to 174MHz	2.15dBi	10W	0.40m	39g	SMAP	1/4λ,120/150/300/450/800/900MHz receiving only
HC-200S	350 to 520MHz	2.15dBi	10W	0.20m	27g	SMAP	1/4λ,120/150/300/450/800/900MHz receiving only
HC-100SJ	134 to 174MHz	2.15dBi	10W	0.40m	39g	SMAJ	1/4λ,120/150/300/450/800/900MHz receiving only
HC-200SJ	350 to 520MHz	2.15dBi	10W	0.20m	27g	SMAJ	1/4λ,120/150/300/450/800/900MHz receiving only

*Impedance:50Ω,VSWR:Less than 1.5
Less than 2.0(MC-101S, MC103A, MC103B)

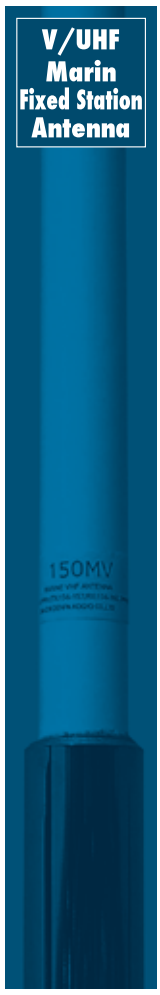


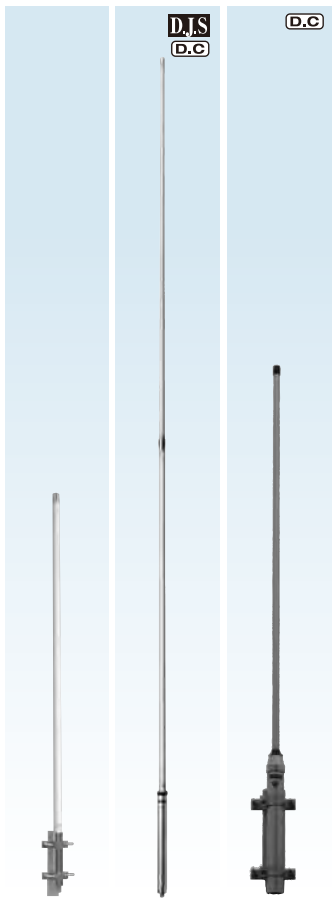
CP-22E F22 F22H F23 F23H BC-100 BC-100S BC-101 BC102 BC-200 BC-200U



BC-200L BC-200LL BC-202 BC-205 TK1173D

BC103





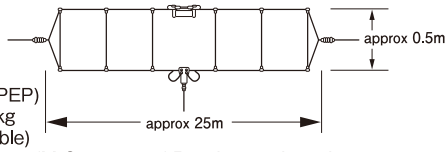
150MV 150MVⅡ 150MVE

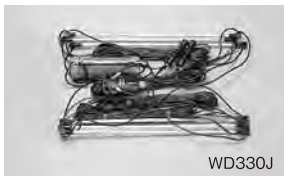
HF Dipole Antenna

BB series

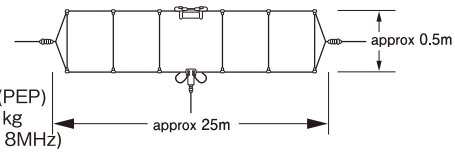
WD330

WD330
2 to 30MHz
Max. power rating:150W(PEP)
Length:25m / Weight:3.1kg
(except coaxial cable)
Coaxial Cable:5D-2V 30m w/M-Connector / Plastic rope is optional
VSWR:Less than 2.0(2-18MHz) Less than3.0(18-30MHz)

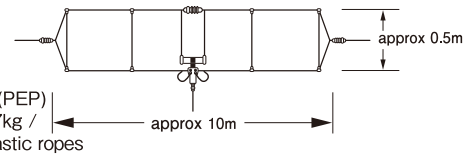



WD330J

WD330J
2 to 30MHz
Max. power rating:150W(PEP)
Length:25m / Weight:3.1kg
VSWR:Less than 2.0(2-18MHz)
Less than3.0(18-30MHz)



WD330S
2 to 28.6MHz
Max. power rating:150W(PEP)
Length:10m / Weight:1.7kg /
With two 10m plastic ropes
Without coaxial cable assembly
VSWR:Less than 2.0(2-18MHz) Less than3.0(18-28.6MHz)



BB6W

BB6W HF Wide Band Wire Antenna
2-30MHz
Max. power rating:250W(SSB)
Length:approx.6.4m / Weight: 0.8kg / TYPE:Long wire type

BB7V HF Wide Band GP Antenna
2-30MHz Max. power rating:250W(SSB) Length:approx.6.7m / Weight: 2.3kg

D.J.S

Direct Joint System.This mark indicates that the antenna has a direct joint system. Overlapped FRP outershell achieves the antenna to be almost the same strength as one piece structure.
Element joint section is tightly waterproofed by ring gaskets. FRP outershell avoids salt disposition on radiator element.
Maximum wind velocity factor of the antenna complies with professional antenna specification.

D.C

This mark indicates that the antenna is DC ground structure. Radiator element is grounded direct current.It is possible to protect radio equipment from high voltage caused by thunder lightening.

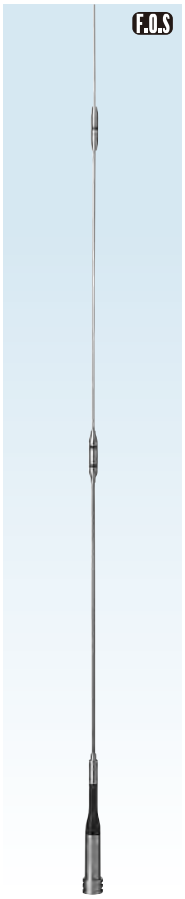
Model	Frequency	Gain	Max. power rating	Length	Weight	Rated wind velocity	Mast diameter accepted	Connector	Type
HF/V/UHF Fixed Station Antenna with Cutting Chart									
CP-22E	144 to 174MHz	6.5dB	200W	2.7m	1.1kg	45m/sec.	φ30-62	MJ	omnidirectional 2×5/8λ
F22	144 to 174MHz	6.7dB	200W	3.2m	1.3kg	50m/sec.	φ30-62	MJ	omnidirectional 2×7/8λ,FRP outershell
F22H	144 to 174MHz	6.7dB	350W	3.2m	1.3kg	50m/sec.	Φ30-62	MJ	omnidirectional 2×7/8λ,FRP outershell
F23	144 to 174MHz	7.8dB	200W	4.6m	1.7kg	50m/sec.	φ30-62	MJ	omnidirectional 3×5/8λ,FRP outershell
F23H	144 to 174MHz	7.8dB	350W	5.2m	2.0kg	40m/sec.	φ30-62	MJ	omnidirectional 3×5/8λ,FRP outershell
BC-100	134 to 174MHz	3.8dB	200W	1.7m	1.2kg	60m/sec.	φ30-62	MJ	omnidirectional 5/8λ,FRP outershell
BC-100S	115 to 174MHz	3.4dBi	100W	1.7m	1.2kg	60m/sec.	φ30-62	MJ	omnidirectional 5/8λ,FRP outershell
BC-101	144 to 174MHz	3.5dB	200W	1.5m	0.86kg	50m/sec.	φ30-60	MJ	omnidirectional 5/8λ GP
BC-102	134 to 174MHz	6.5dB	200W	3.2m	1.3kg	50m/sec.	φ30-60	MJ	omnidirectional 2×5/8λ
BC-200	430 to 490MHz	6.5dB	200W	1.7m	0.9kg	60m/sec.	φ30-62	MJ	omnidirectional 3×5/8λ,FRP outershell
BC-200U	450 to 510MHz	6.5dB	200W	1.7m	0.9kg	60m/sec.	φ30-60	MJ	omnidirectional 3×5/8λ,FRP outershell
BC-200L	370 to 430MHz	5.5dB	200W	1.7m	0.9kg	60m/sec.	φ30-62	MJ	omnidirectional 2×5/8λ,FRP outershell
BC-200LL	320 to 380MHz	5.5dB	200W	1.7m	0.9kg	60m/sec.	φ30-62	MJ	omnidirectional 2×5/8λ,FRP outershell
BC-202	430 to 490MHz	6.5dB	200W	1.15m	0.75kg	55m/sec.	φ30-60	MJ	omnidirectional 2×5/8λ stacked GP
BC-205	430 to 490MHz	8.5dBi	200W	2.9m	1.15kg	50m/sec.	φ30-62	MJ	omnidirectional 5x5/8λ
TK1173D	2 to 30MHz	–	–	4.53m	1.4kg	40m/sec.	φ30-62	MJ	–
VHF Fixed Station Wide Band Antenna									
BC103	144 to 174MHz	2.15-3.2dBi	300W	1.25m	1.4kg	60m/sec.	φ30-62	MJ	omnidirectional 1/2λ - 5/8λ
V/UHF Marin Fixed Station Antenna									
150MV	TX 156to157MHz RX 156 to162.5MHz	2.15dBi	50W	1.23m	0.7kg	60m/sec.	φ30-62	MJ	omnidirectional 1/2λ
150MVⅡ	TX 156 to 157MHz RX 156 to162.5MHz	6.0dBi	150W	2.8m	1.0kg	50m/sec.	φ30-62	MJ	2x5/8 λ
150MVE	TX 156 to 157MHz RX 156 to 162.5MHz	2.15dBi	50W	1.13m	0.63kg	45m/sec.	φ30-62	MJ	1/2 λ GP

＊Impedance：50Ω,VSWR：Less than 1.5, Less than 2.0（BC103）

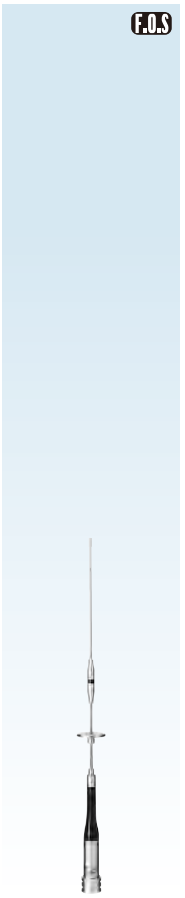
HF Dipole Antenna									
WD330	2 to 30MHz	–	150W(PEP)	25m	3.1kg (except coaxial cable)	–	–	MJ	With 5D2V 30m coaxial cable assembly / Plastic rope is optional
WD330J	2 to 30MHz	–	150W(PEP)	25m	3.1kg	–	–	MJ	–
WD330S	2 to 28.6MHz	–	150W(PEP)	10m	1.7kg	–	–	MJ	With two 10m plastic rope Without coaxial cable assembly
BB series Broad Band Antenna									
BB6W	2 to 30MHz	–	250W(SSB)	6.4m	0.8kg	–	–	MJ	Long wire type
BB7V	2 to 30MHz	–	250W(SSB)	6.7m	2.3kg	–	–	MJ	–

HF/V/UHF Mobile Whip Antenna

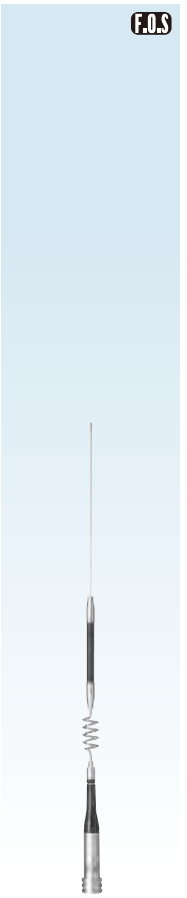
SUPER GAINER



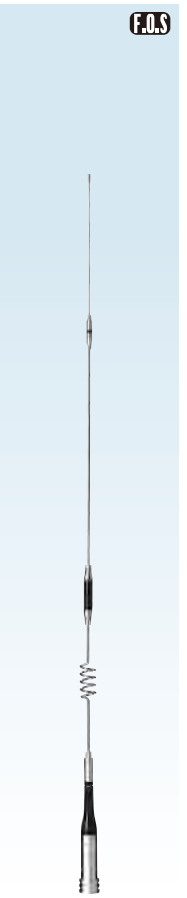
SG2000



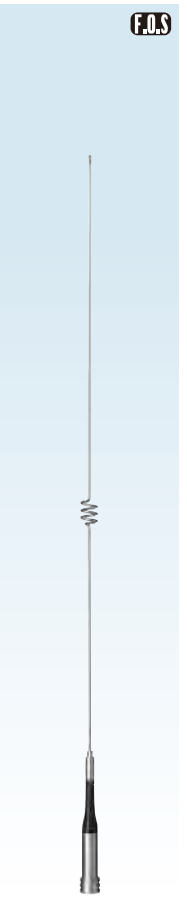
SG7000



SG7100R

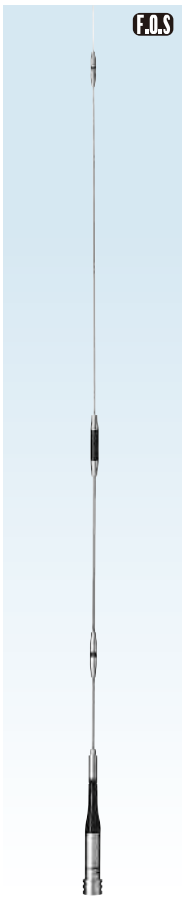


SG7200

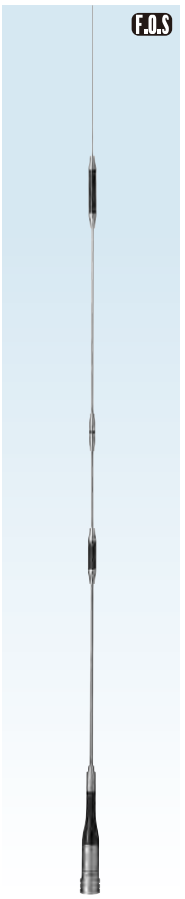


SG7400

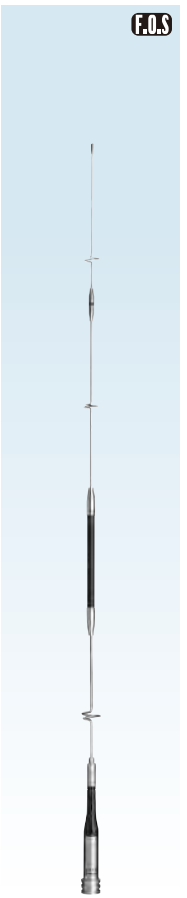
SG7500



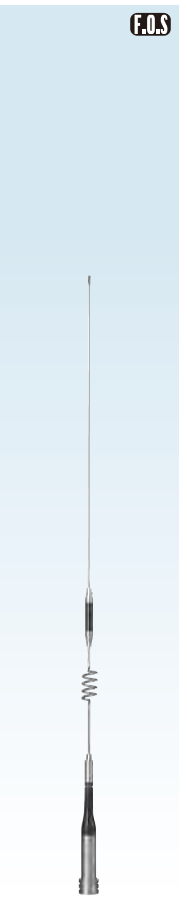
SG7700



SG7900



SG9500M
SG9500N

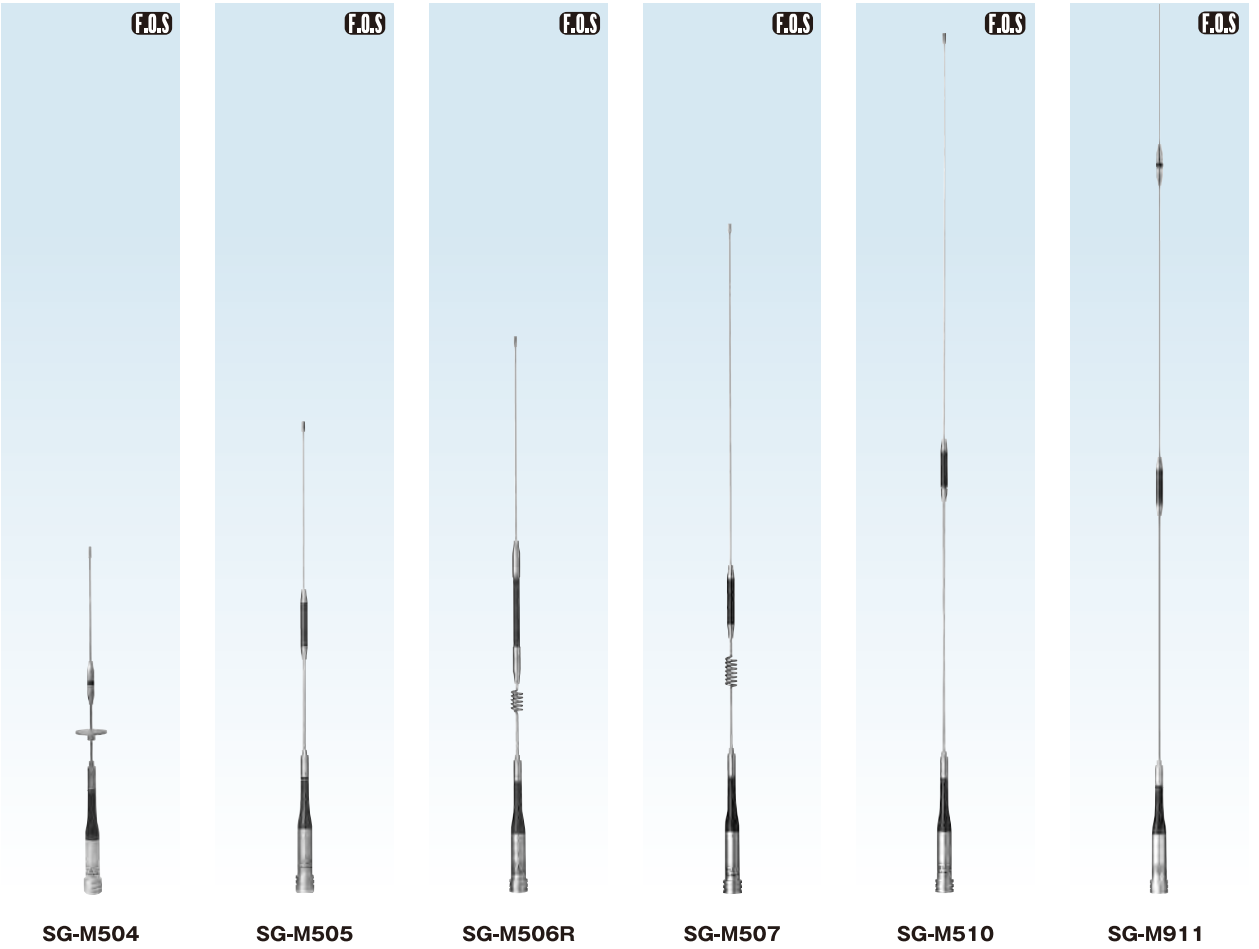


SG9600

SG9700

HF/V/UHF Mobile Whip Antenna

SUPER GAINER mini



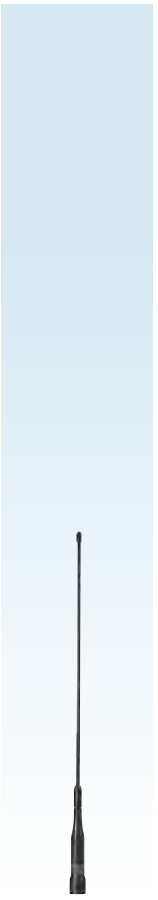
SG-M504 SG-M505 SG-M506R SG-M507 SG-M510 SG-M911

Model	Frequency	Gain	Max. power rating	Length	Weight	Connector	Type
SUPER GAINER HF/V/UHF Mobile Whip Antenna							
SG2000	144MHz(2m)	5.2dB	150W	1.59m	400g	MP	7/8λ double C-Load radialless
SG7000	144/430MHz (2m/70cm)	2.15dBi(144MHz), 3.8dB(430MHz)	100W(Total)	0.47m	280g	MP	1/4λ C-Load(144MHz), 6/8λ C-Load radialless(430MHz)
SG7100R	144/430MHz (2m/70cm)	2.15dBi(144MHz), 4.8dBi(430MHz)	60W(Total)	0.62m	300g	MP	1/2λ radialless(144MHz), 2x5/8λ radialless(430MHz)
SG7200	144/430MHz(2m/70cm) (300MHz receiving only)	3.2dB(144MHz), 5.7dB(430MHz)	150W(Total)	0.96m	335g	MP	1/2λ C-Load radialless(144MHz), 2x5/8λ C-Load radialless(430MHz)
SG7400	144/430MHz(2m/70cm) (300MHz receiving only)	2.15dBi(144MHz), 5.5dBi(430MHz)	150W(Total)	0.99m	305g	MP	1/2λ radialless(144MHz), 2x5/8λ radialless(430MHz)
SG7500	144/430MHz(2m/70cm) (300MHz receiving only)	3.5dB(144MHz), 6.0dB(430MHz)	150W(Total)	1.06m	330g	MP	1/2λ C-Load radialless(144MHz), 2x5/8λ radialless(430MHz)
SG7700	144/430MHz (2m/70cm)	4.3dB(144MHz), 6.8dB(430MHz)	150W(Total)	1.27m	350g	MP	5/8λ double C-Load radialless(144MHz), 2x5/8λ C-Load radialless(430MHz)
SG7900	144/430MHz (2m/70cm)	5.0dB(144MHz), 7.6dB(430MHz)	150W(Total)	1.58m	600g	MP	7/8λ double C-Load radialless(144MHz), 3x5/8λ C-Load radialless(430MHz)
SG9500M SG9500N	144/430/1200MHz (2m/70cm/23cm)	3.15dB(144MHz), 6.3dB (430MHz), 9.7dB(1200MHz)	100W(144/430MHz),50W (1200MHz),100W(Total)	1.00m	320g	MP/NP	1/2λ C-Load radialless(144MHz), 2x5/8λ C-Load radialless(430MHz), 5x5/8λ C-Load radialless(1200MHz)
SG9600	50/144/430MHz (6m/2m/70cm)	2.15dBi(144MHz), 5.2dBi(430MHz)	60W(Total)	0.82m	320g	MP	1/4λ(51 to 52MHzFM), 1/2λ radialless(144MHz), 2x5/8λ radialless(430MHz)
SG9700	50/144/430MHz (6m/2m/70cm)	3.0dBi(144MHz), 5.8dBi(430MHz)	100W(Total)	1.07m	340g	MP	1/4λ(51 to 52MHz FM), 1/2λ C-Load radialless(144MHz), 2x5/8λ C-Load radialless(430MHz)
SUPER GAINER mini HF/V/UHF Mobile Whip Antenna							
SG-M504	144/430MHz (2m/70cm)	2.15dBi(430MHz)	100W(Total)	0.40m	160g	MP	1/4λ(144MHz), 1/2λ radialless(430MHz)
SG-M505	144/430MHz (2m/70cm)	2.15dBi(144MHz), 3.8dBi(430MHz)	100W(Total)	0.53m	137g	MP	1/4λ(144MHz), 6/8 λ C-Load radialless(430MHz)
SG-M506R	144/430MHz (2m/70cm)	2.15dBi(144MHz), 4.8dBi(430MHz)	60W(Total)	0.63m	165g	MP	1/2λ radialless(144MHz), 2x5/8λ radialless(430MHz)
SG-M507	144/430MHz (2m/70cm)	2.15dBi(144MHz), 5.2dBi(430MHz)	70W	0.73m	155g	MP	1/2λ radialless(144MHz), 2x5/8λ radialless(430MHz)
SG-M510	144/430MHz (2m/70cm)	2.15dBi(144MHz), 5.5dBi(430MHz)	100W(Total)	0.96m	130g	MP	1/2λ radialless(144MHz), 2x5/8λ radialless(430MHz)
SG-M911	50/144/430MHz (6m/2m/70cm)	3.0dBi(144MHz), 5.8dBi(430MHz)	60W	1.10m	160g	MP	1/4λ(51 to 52MHz FM), 1/2λ C-Load radialless(144MHz), 2x5/8λ C-Load radialless(430MHz)

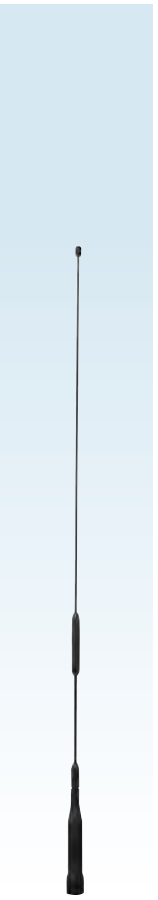
* Impedance : 50Ω, VSWR : Less than 1.5

HF/V/UHF Mobile Whip Antenna

SLIM GAINER



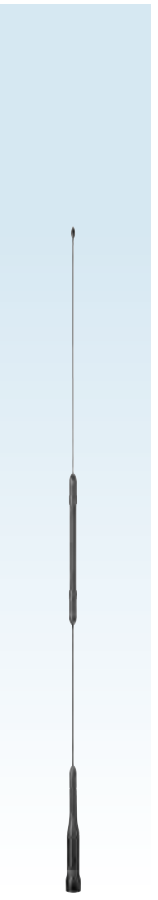
AZ504FX



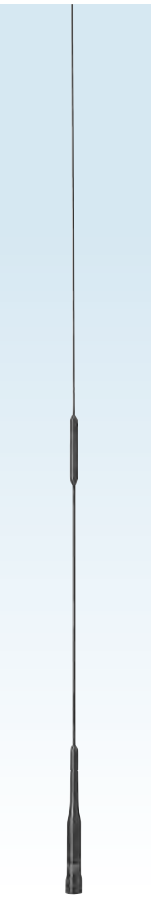
AZ506FXH

AZ506FX

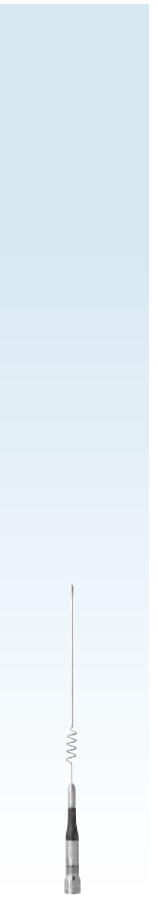
AZ507FXH



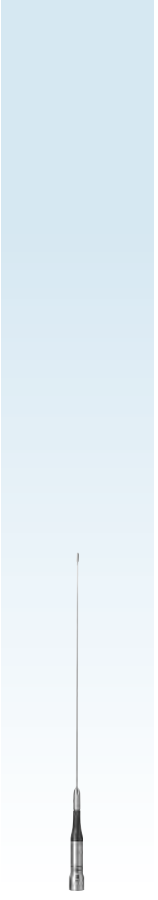
AZ507FX



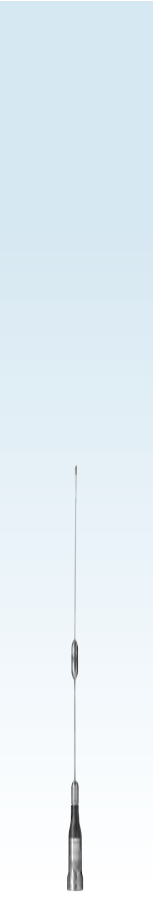
AZ510FX



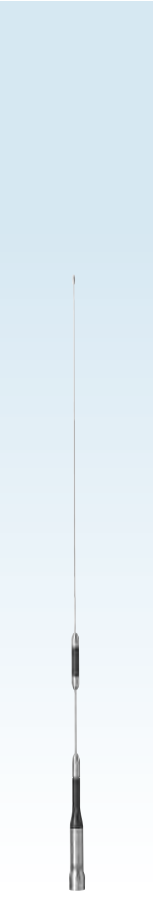
AZ503



AZ504



AZ505
AZ505N



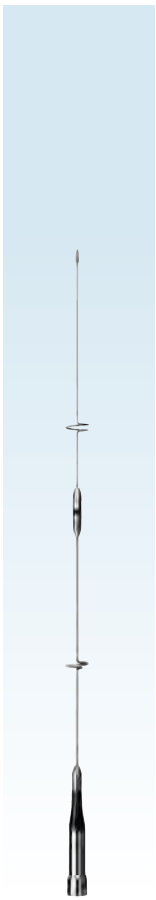
AZ506

AZ507R

AZ510
AZ510N

AZ510FMH

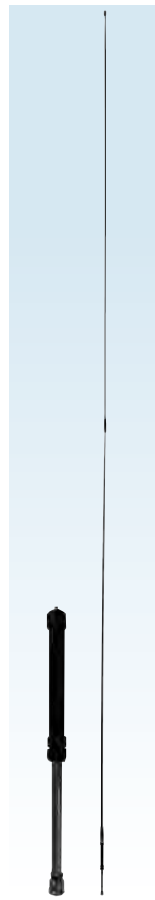
AZ910



AZ805M
AZ805N

RHM8B

RHM10



RHM7350

Z07M

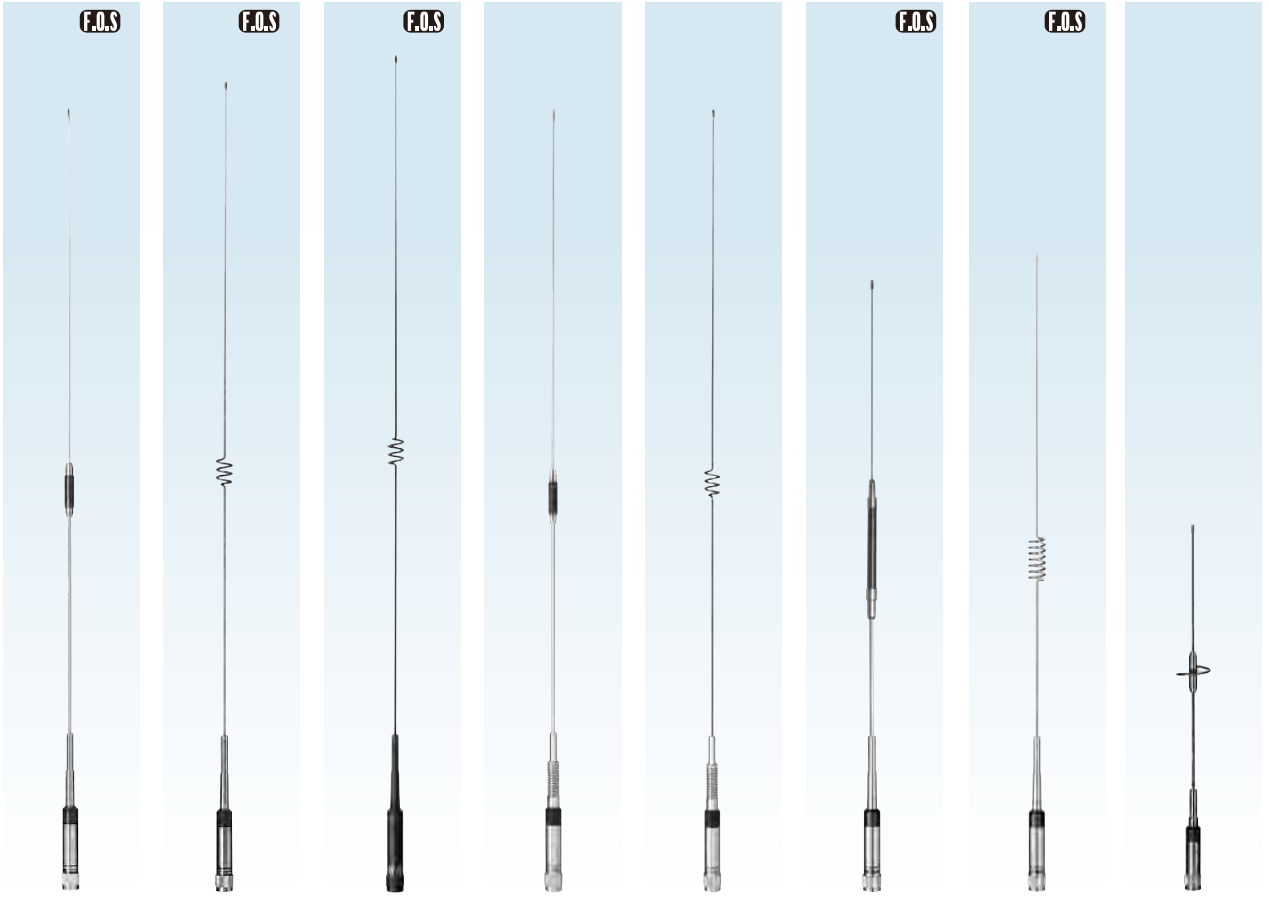
Z10M

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/λradialless (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), 2x5/8λradilless(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 radilless(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)	05-1.77m	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 (144HMz), 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 (144HMz), 2 x 5/8 λradialless (430MHz)

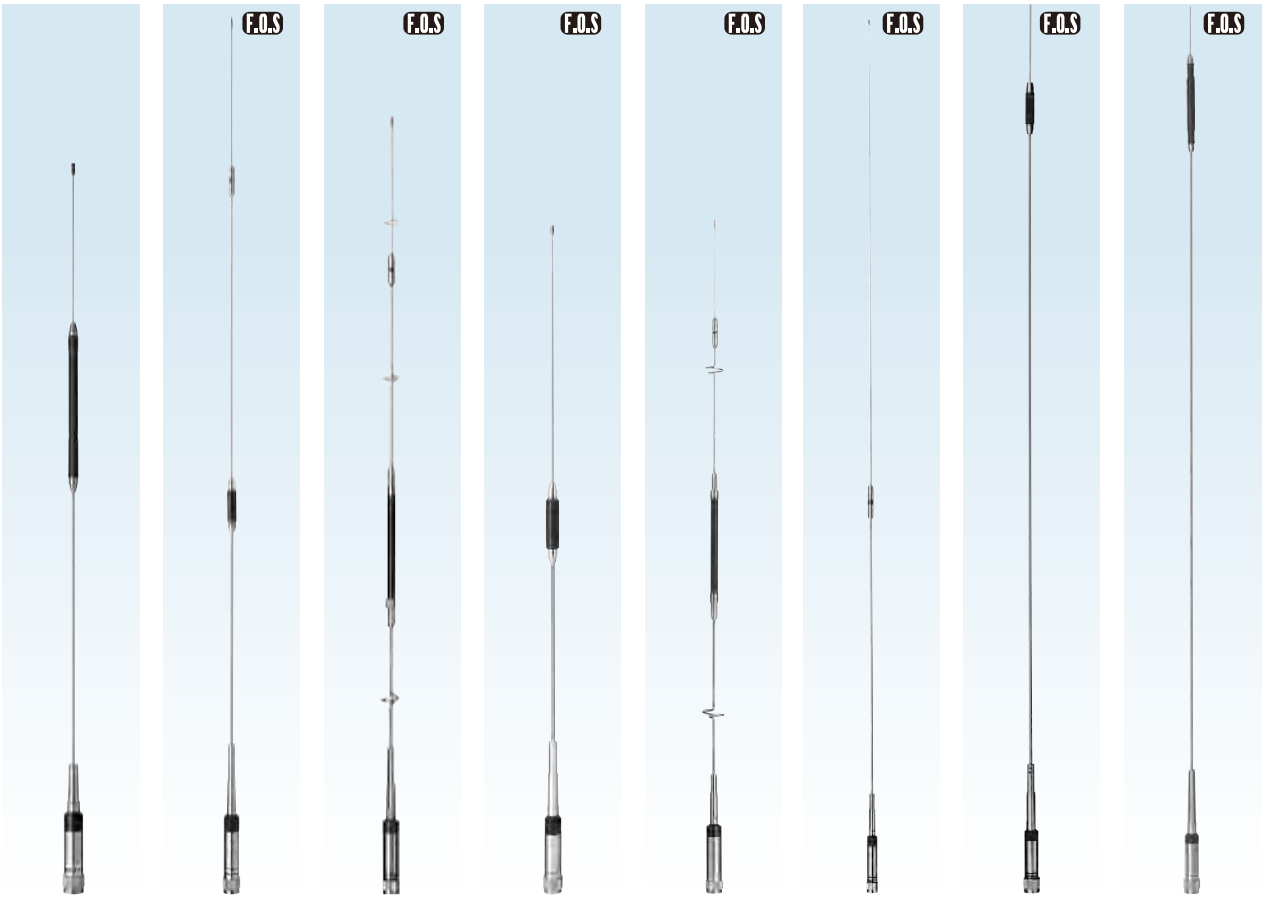
*Impedance:50Ω,VSWR:Less than 1.5

V/UHF Mobile Whip Antenna

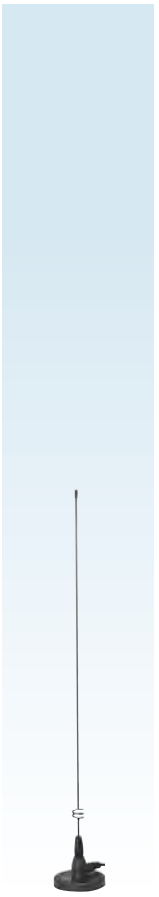
NR



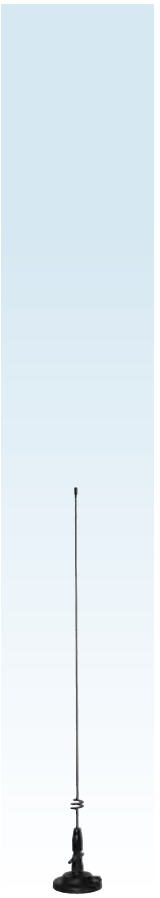
NR-770R NR-770H NR770HB NR-770RSP NR-770HSP NR-760R NR-760H NR-770S



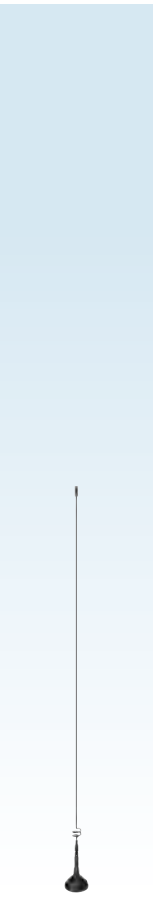
NR77AM NR780R NR-2000N NR7700 NR950M DP-NR2C DP-NR22L DP-NR22LH



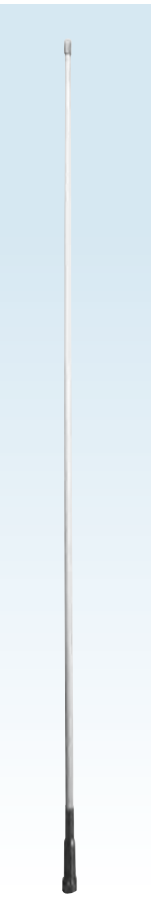
MR77/B/S/SJ



MR75M/B/S/SJ



MR73B/S/SJ

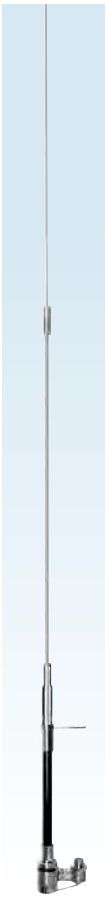


MF750

Model	Frequency	Gain	Max. power rating	Length	Weight	Connector	Type
NR V/UHF Mobile Whip Antenna							
NR-770R	144/430MHz(2m/70cm)	2.15dBi(144MHz), 5.5dBi(430MHz)	200W(Total)	0.98m	210g	MP	1/2λ radialless(144MHz), 2x5/8λ radialless(430MHz)
NR-770H	144/430MHz(2m/70cm)	2.15dBi(144MHz), 5.5dBi(430MHz)	200W(Total)	1.02m	250g	MP	1/2λ radialless(144MHz), 2x5/8λ radialless(430MHz)
NR770HB	144/430MHz(2m/70cm)	2.15dBi(144MHz), 5.5dBi (430MHz)	200W FM (Total)	1.02m	250g	MP	1/2 λradialless (144MHz),2x5/8 λ radialless(430MHz)
NR-770RSP	144/430MHz(2m/70cm)	2.15dBi(144MHz), 5.5dBi(430MHz)	200W(Total)	0.97m	240g	MP	1/2λ radialless(144MHz), 2x5/8λ radialless(430MHz)
NR-770HSP	144/430MHz(2m/70cm)	2.15dBi(144MHz), 5.5dBi(430MHz)	200W(Total)	1.00m	230g	MP	1/2λ radialless(144MHz), 2x5/8λ radialless(430MHz)
NR760R	144/430MHz(2m/70cm)	2.15dBi(144MHz), 5.2dBi(430MHz)	100W(144MHz),60W(430MHz)	0.77m	220g	MP	1/2λ radialless(144MHz), 2x5/8λ radialless(430MHz)
NR-760H	144/430MHz(2m/70cm)	2.15dBi(144MHz),5.2dBi(430MHz)	150W(Total)	0.80m	200g	MP	1/2λ radialless(144MHz), 2×5/8λ radialless(430MHz)
NR-770S	144/430MHz(2m/70cm)	2.15dBi(144/430MHz)	100W(Total)	0.43m	150g	MP	1/4λ(144MHz), 1/2λ radialless(430MHz)
NR77AM	144/430MHz(2m/70cm)	2.15dBi(430MHz)	100W	0.67m	140g	MP	1/4 λ (144MHz),1/2 λ radialless (430MHz)
NR780R	144/430MHz(2m/70cm)	3.4dBi(144MHz), 6.0dBi(430MHz)	150W	1.1m	240g	MP	1/2 λC-Load radialless (144MHz), 2x5/8 λ C-Load radialless (430MHz)
NR2000N	144/430/1200MHz (2m/70cm/23cm)	3.15dB(144MHz),6.3dB(430MHz), 9.7dB(1200MHz)	100W(144/430MHz), 50W(1200MHz),100W(Total)	0.99m	300g	NP	C-Load radialless(144MHz)2×5/8λ C-Load radialless(430MHz) 5×5/8λ C-Load radialless(1200MHz)
NR7700	144/430MHz(2m/70cm) (300MHz receiving only)	3.0dB(144MHz), 5.5dB(430MHz)	250W(144MHz),200W(430MHz)	1.00m	430g	MP	1/2λ radialless(144MHz), 2x5/8λ radialless(430MHz)
NR950M	144/430/900MHz(2m/70cm/33cm) 150/300/450/800MHz receiving only	3.15dB(144MHz), 6.3dB(430MHz), 8.7dB(900MHz)	200W(144MHz), 120W(430MHz), 50W(900MHz)	0.99m	260g	MP	1/2 λ C-Load radialless(144MHz), 2x5/8λ C-Load radialless(430MHz), 4x5/8λ C-Load radialless(900MHz)
DP-NR2C	144MHz(2m)	4.1dB	150W	1.41m	200g	MP	6/8 λ C-Load radialless
DP-NR22L	144MHz(2m)	6.5dB	100W	2.46m	500g	MP	2x5/8λ radialless
DP-NR22LH	144MHz(2m)	6.5dB	280W	2.46m	520g	MP	2x5/8λ redialless
V/UHF Magnet Antenna							
MR77/B/S/SJ	144/430MHz(2m/70cm)	3.4dBi(430MHz)	70W	0.5m	400g	MP/BNC-P/ SMA-P/SMA-J	1/4λ(144MHz),5/8λ(430MHz)/with RG58/U 4m
MR75M/B/S/SJ	144/430MHz(2m/70cm)	3.4dBi(430MHz)	35W	0.5m	130g	MP/BNC-P/ SMA-P/SMA-J	1/4λ(144MHz),5/8λ(430MHz)/with LMR100 3m
MR73B/S/SJ	144/430MHz(2m/70cm)	3.4dBi (430MHz)	10W	0.5m	80g	BNC-P/SMA-P/SMA-J	1/4λ(144MHz),5/8λ(430MHz)/with RG-174/U 3m
V/UHF Magnet Antenna							
MF750	144/430MHz(2m/70cm)	3.0dBi(144MHz), 6.0dBi (430MHz)	60W FM (Total)	1.18m	185g	MP	1/2λ radialless (144HMz), 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)

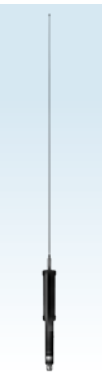
MDC730HX(7to30MHz)
※Max power rating
200W(SSB), 70W(FM,CW)

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

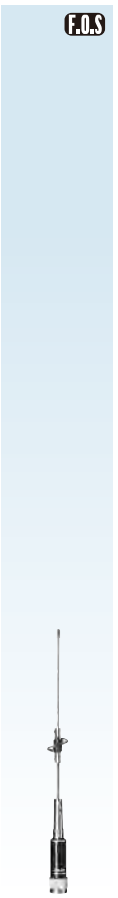
SD330
Frequency: 3.5-30MHz
Max. power rating: 200W (SSB)
Impedance: 50Ω
VSWR: Less than 2.0
Connector: MP
Length: 1.85m Weight: 1.1kg
Type: 1/4 λ center loading
Power supply voltage & current: DC12V / 100mA
Up-down time:
approx. 50 seconds (3.5 to 30MHz)
approx. 20 seconds (7 to 30MHz)

Magnet Anntena Grounding Sheet

MAT 50
MAGNET ANTENNA GROUNDING SHEET

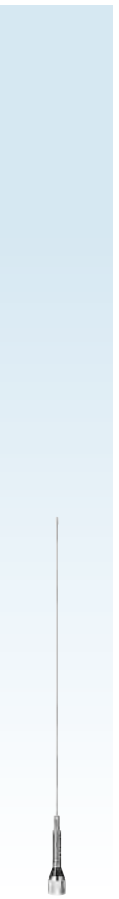
Frequency:7-50MHz
(3.5MHz BY USING TWO SHEETS)
Max power rating:
500W(SSB)
200W(FM/CM)
Ambient temperature:
-20C to +90C
Adhesive performance:
110km/h (with no wind)
Dimensions:
80mm x 195mm
(sheet size)
Cable length:
approx. 30cm
Weight:55g
Accessory:
16mm lug,
heat shrink tubing

HF/V/UHF Mobile Whip Antenna



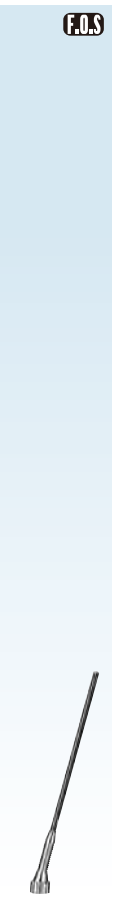
CR-77

CR-8900



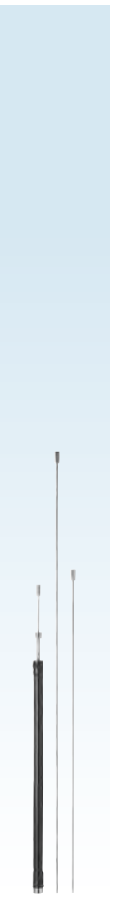
M150-GSA

DP-TRY2E



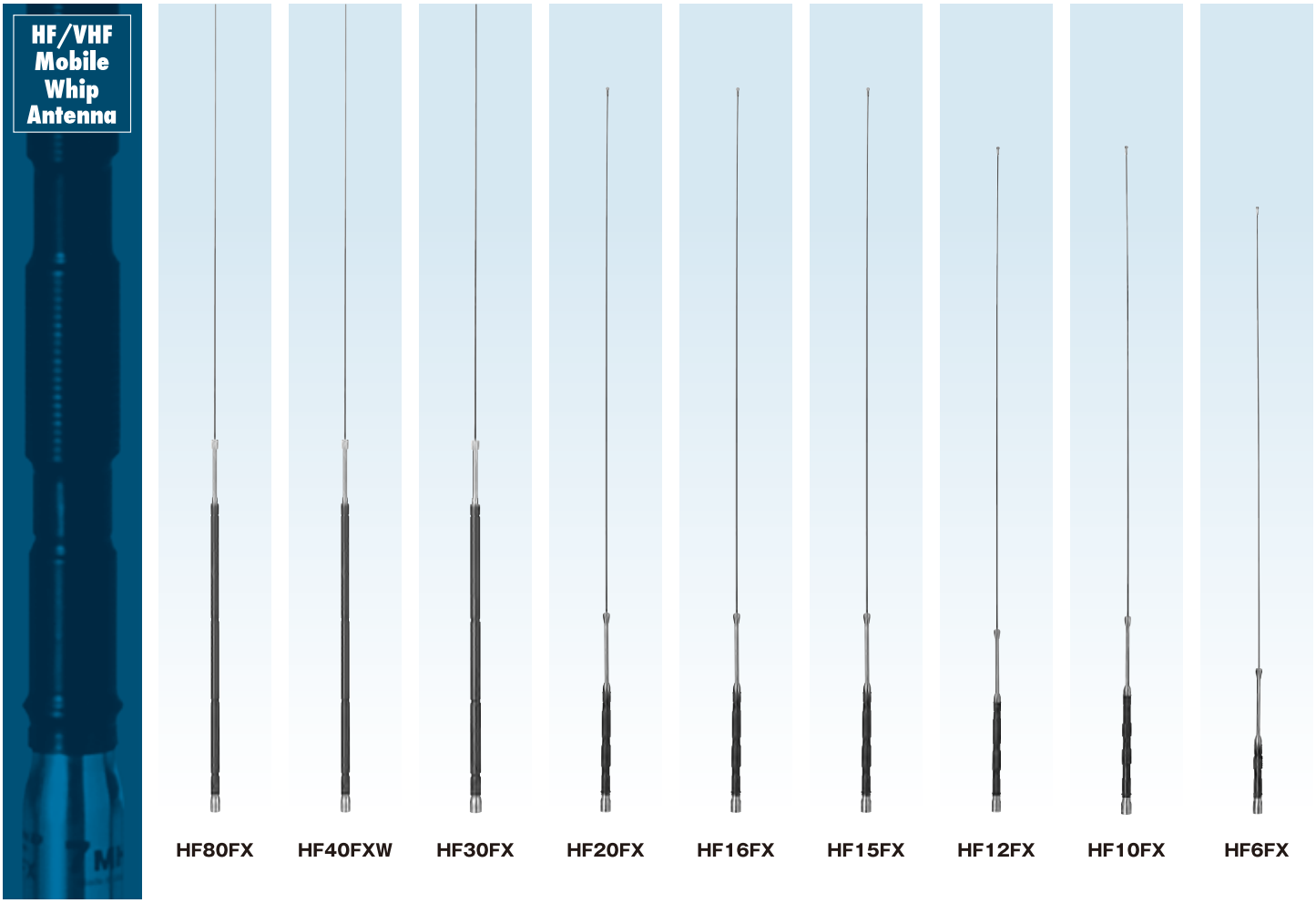
SR-780

HV7CX



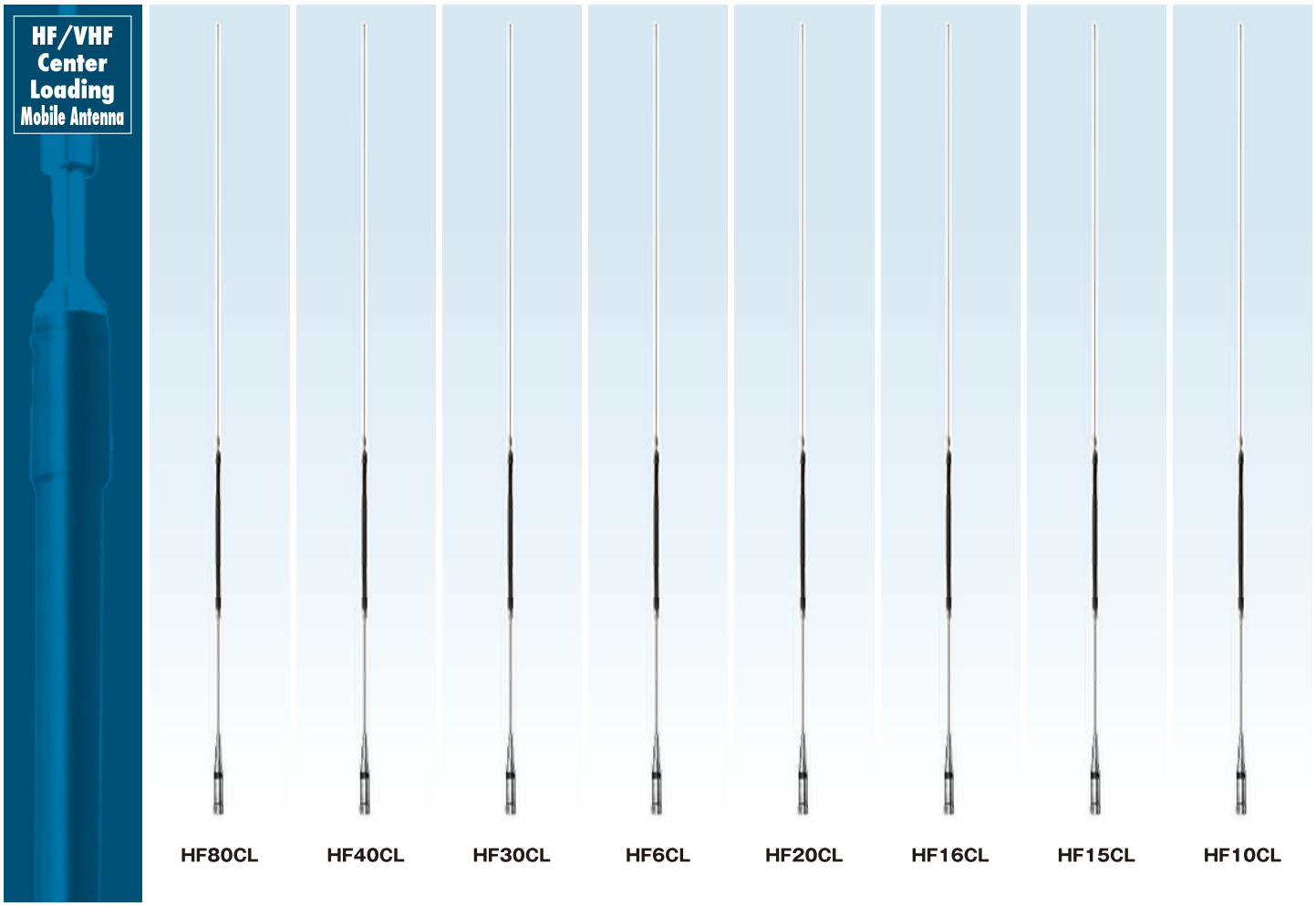
HVC14CX

HV5S



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

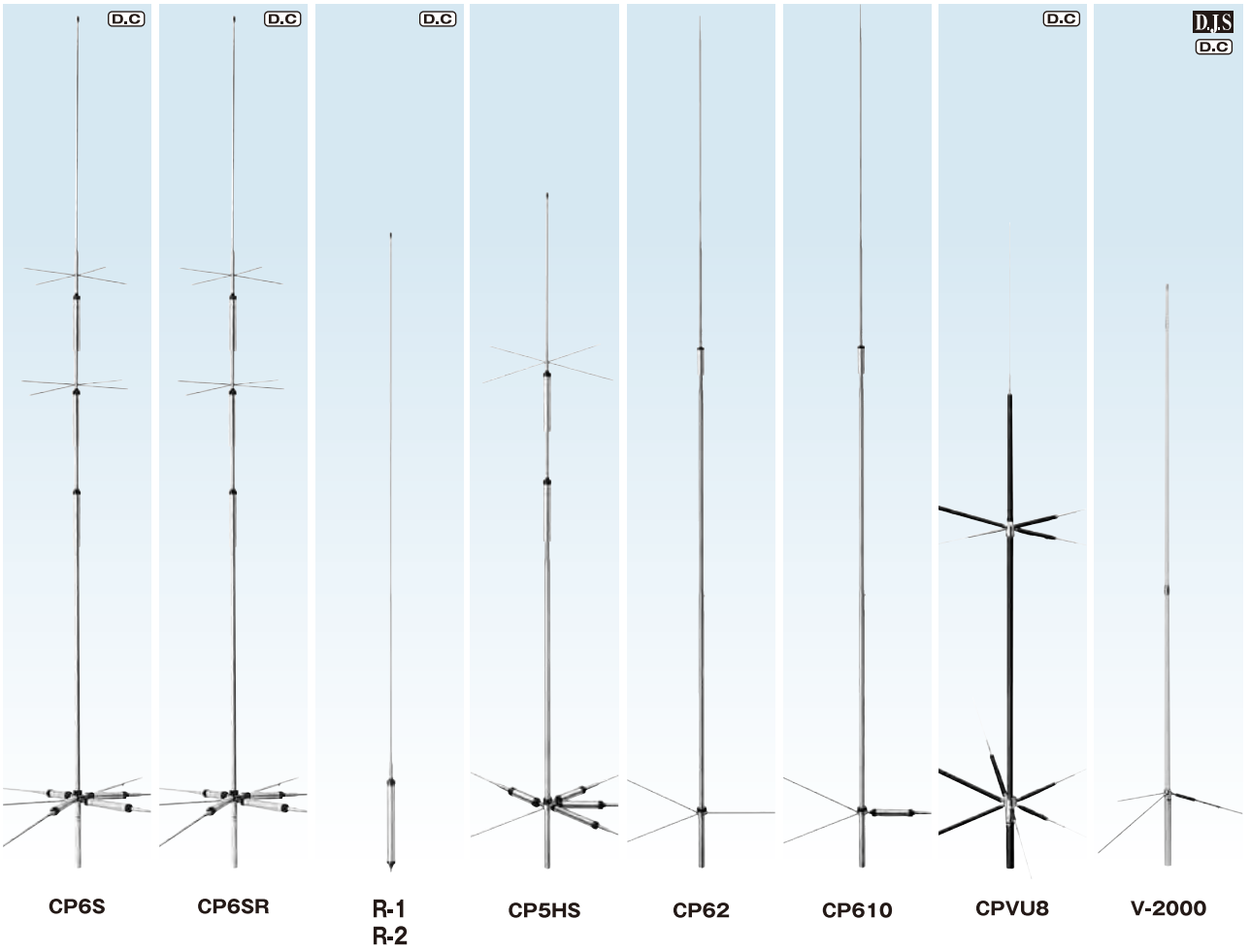
★1 = 7/(10/14)/21/(18/24)/28/50/144/430MHz(40m/(30m/20m)/15m/(17m/13m)/10m/6m/2m/70cm) 10/14MHz(30m/20m) and 18/24MHz(17m/13m) are with optional loading coils
＊Impedance : 50Ω,VSWR : Less than 1.5



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

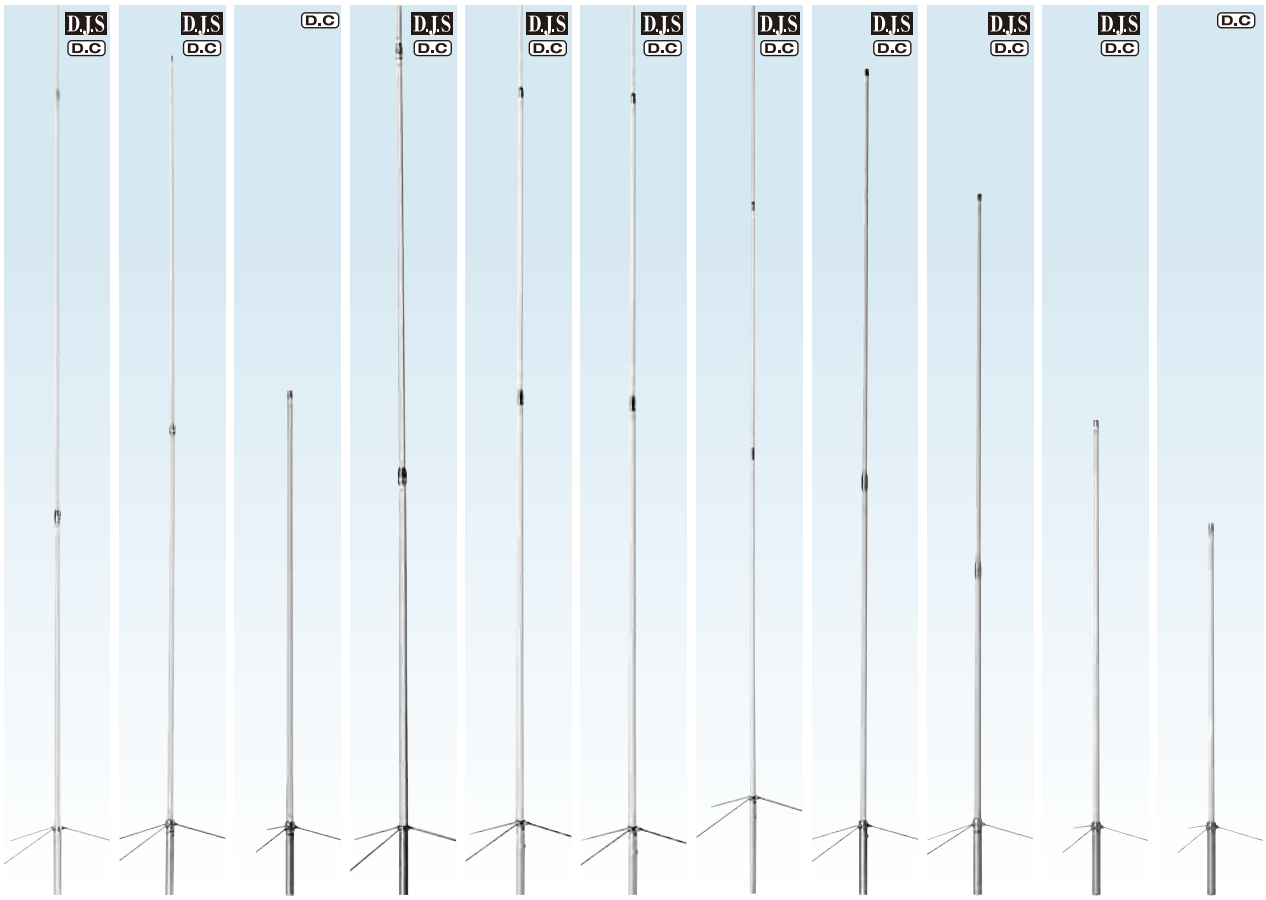
HF/V/UHF Fixed Station Antenna



Model	Frequency	Gain	Max. power rating	Length	Radial Length	Weight	Rated wind velocity	Mast diameter accepted	Conn-ector	Type
HF/V/UHF Fixed Station Antenna										
CP6S	3.5/7/14/21/28/50MHz※1) (80m/40m/20m/15m/10m/6m)	–	200W(SSB)	4.6m	approx. 1.8m	4.9kg	40m/sec.	φ30-62	MJ	6 band trap vertical antenna with trap radials. One direction style radial elements 29MHz(FM).
CP6SR	3.5/7/14/21/28/50MHz※2) (80m/40m/20m/15m/10m/6m)	–	200W(SSB)	4.6m	approx. 1.8m	4.9kg	40m/sec.	φ30-62	MJ	6 band trap vertical antenna with trap radials. One direction style radial elements 29MHz(FM).
R-1	3.575 - 3.650MHz	–	–	1.8m	–	0.7kg	–	–	–	Optional Radial Coil for CP6
R-2	3.650 - 3.725MHz	–	–	1.8m	–	0.7kg	–	–	–	Optional Radial Coil for CP6
CP5HS	7/14/21/28/50 MHz (40m/20m/15m/10m/6m)		200W SSB(7MHz), 400W SSB(14/21MHz), 500W SSB (28/29/50 MHz)	3.6m	1.8m	3.4kg	45m/sec.	φ30-62	MJ	5 bands trap vertical antenna
CP62	50MHz (6m)	5.5dBi	500W (SSB), 200W (FM)	approx. 6.8m (MAX)	approx. 1.5m	2.7kg	35m/sec.	φ30-62	MJ	2x5/8λ
CP610	28(29)/50MHz (10m/6m)	3.4dBi (28MHz), 5.5dBi (50MHz)	500W (SSB), 200W (FM)	approx. 6.8m (MAX)	approx. 1.8m (28MHz), approx. 1.5m (50MHz)	2.9kg	35m/sec.	φ30-62	MJ	5/8λ(28MHz), 2x5/8λ(50MHz)
CPVU8	3.5/7/14/21/28/50/144/430MHz (80m/40m/20m/15m/10m/6m/2m/70cm)	2.15dBi (144MHz), 5.5dBi (430MHz)	200W SSB(3.5-50MHz), 150W FM (50-430MHz)	2.7m	–	2.4kg	40m/sec.	φ30-62	MJ	8 bands GP
V2000	50/144/430MHz(6m/2m/70cm)	2.15dBi(50-52MHz), 6.2dB(144MHz),8.4(430MHz)	150W(Total)	2.5m	approx. 92cm	1.2kg	50m/sec.	φ30-62	MJ	1/2λ C-Load(50MHz),2x5/8λC-Load(144MHz), 4x5/8λ C-Load(430MHz)

＊Impedance：50Ω,VSWR：Less than 1.5　※1) 80m：3.50～3.60MHz　※2) 80m：3.650～3.725MHz

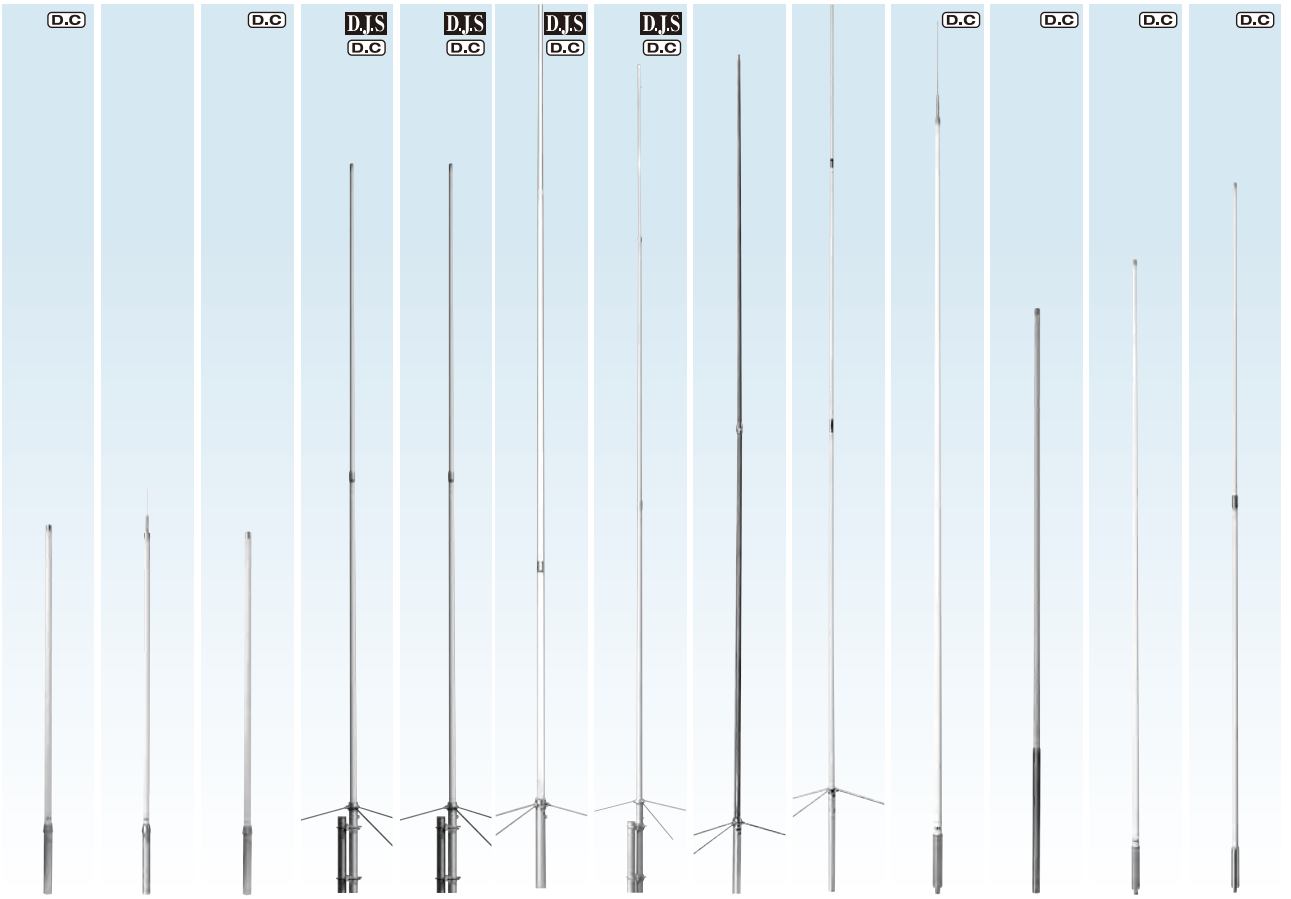
V/UHF Fixed Station Antenna



Model	Frequency	Gain	Max. power rating	Length	Radial length	Weight	Rated wind velocity	Mast diameter accepted	Connector	Type
V/UHF Fixed Station Antenna										
X7000	144/430/1200MHz (2m/70cm/23cm)	8.3dB(144MHz),11.7dB (430MHz),13.7dB(1200MHz)	100W(144/430MHz), 60W(1200MHz),100W(Total)	5.0m	approx. 52cm	2.2kg	40m/sec.	φ30-62	NJ	3 x 5/8λ C-Load(144MHz),8 x 5/8λ C-Load(430MHz), 14 x 5/8λ C-Load(1200MHz), FRP outershell
X6000	144/430/1200MHz (2m/70cm/23cm)	6.5dB(144MHz),9.0dB (430MHz),10.0dB(1200MHz)	100W(144/430MHz), 60W(1200MHz),100W(Total)	3.05m	approx. 52cm	1.8kg	50m/sec.	φ30-62	NJ	2 x 5/8λ C-Load(144MHz),5 x 5/8λ C-Load(430MHz), 6 x 5/8λ C-Load(1200MHz),FRP outershell
X5000	144/430/1200MHz (2m/70cm/23cm)	4.5dB(144MHz),8.3dB (430MHz),11.7dB(1200MHz)	100W(Total)	1.8m	approx. 19cm	0.9kg	60m/sec.	φ30-62	NJ	6/8λ C-Load(144MHz),3 x 5/8λ C-Load(430MHz), 7 x 5/8λ C-Load(1200MHz),FRP ouetshell
X700H X700HN	144/430MHz (2m/70cm)	9.3dB(144MHz), 13.0dB(430MHz)	200W(Total)	7.2m	approx. 52cm	3.8kg	40m/sec.	φ★30-62	MJ/NJ	4 x 5/8λ C-Load(144MHz),11 x 5/8λ C-Load(430MHz),FRP outershell
X510N	144/430MHz (2m/70cm)	8.3dB(144MHz), 11.7dB(430MHz)	200W(Total)	5.2m	approx. 52cm	2.0kg	40m/sec.	φ30-62	NJ	3 x 5/8λ C-Load(144MHz),8 x 5/8λ C-Load(430MHz),FRP outershell
X510MH	144/430MHz (2m/70cm)	8.3dB(144MHz), 11.7dB(430MHz)	350W(Total)	5.2m	approx. 52cm	2.08Kg	40m/sec.	φ30-60	MJ	3 ×5/8λC-Load(144MHz), 8 ×5/8λC-Load(430MHz), FRP outershell
X520M	144/430MHz (2m/70cm)	8.3dB (144MHz), 11.7dBi (430MHz)	200W FM (Total)	5.2m	approx. 52cm	2.0kg	40m/sec.	φ30-60	MJ	3x5/8λC-Load(144MHz), 8x5/8λC-Load (430MHz)
X300 X300N	144/430MHz (2m/70cm)	6.5dB(144MHz), 9.0dB(430MHz)	200W(Total)	3.1m	approx. 52cm	1.5kg	50m/sec.	φ30-62	MJ	2 x 5/8λ C-Load(144MHz),5 x 5/8λ C-Load(430MHz),FRP outershell
X200 X200N	144/430MHz (2m/70cm)	6.0dB(144MHz), 8.0dB(430MHz)	200W(Total)	2.5m	approx. 52cm	1.2kg	50m/sec.	φ30-62	MJ/NJ	2 x 5/8λ(144MHz),4 x 5/8λ(430MHz), FRP outershell
X50 X50N	144/430MHz (2m/70cm)	4.5dB(144MHz), 7.2dB(430MHz)	200W(Total)	1.7m	approx. 19cm	0.9kg	60m/sec.	φ30-62	MJ/NJ	6/8λ C-Load(144MHz),3 x 5/8λ C-Load(430MHz),FRP outershell
X30 X30N	144/430MHz (2m/70cm)	3.0dB(144MHz), 5.5dB(430MHz)	150W(Total)	1.3m	approx. 19cm	0.8Kg	60m/sec.	φ30-62	MJ/NJ	1/2λ(144MHz),2 ×5/8λ(430MHz),FRP ouetshell

★More than 45φ diameter mast is recommended.
＊Impedance : 50Ω,VSWR : Less than 1.5

HF/V/UHF Fixed Station Antenna & Marine Fixed Station Antenna

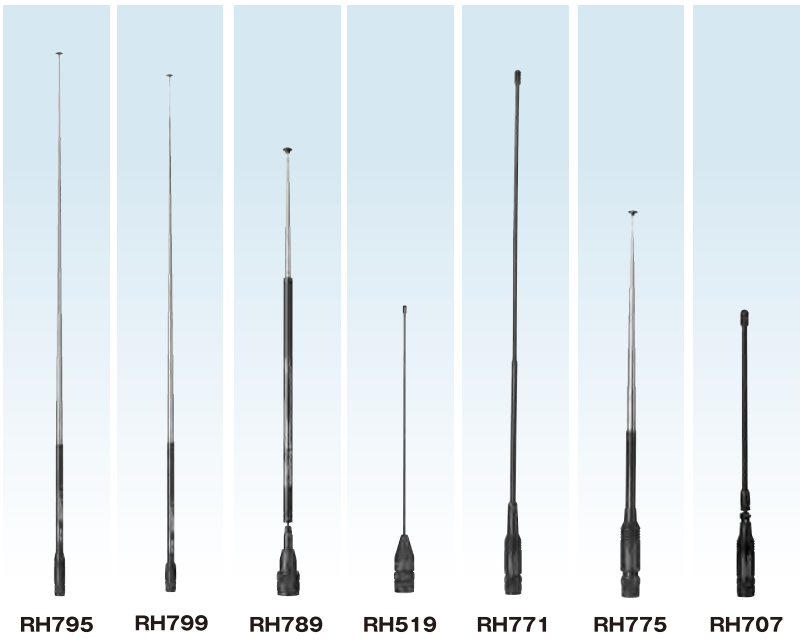


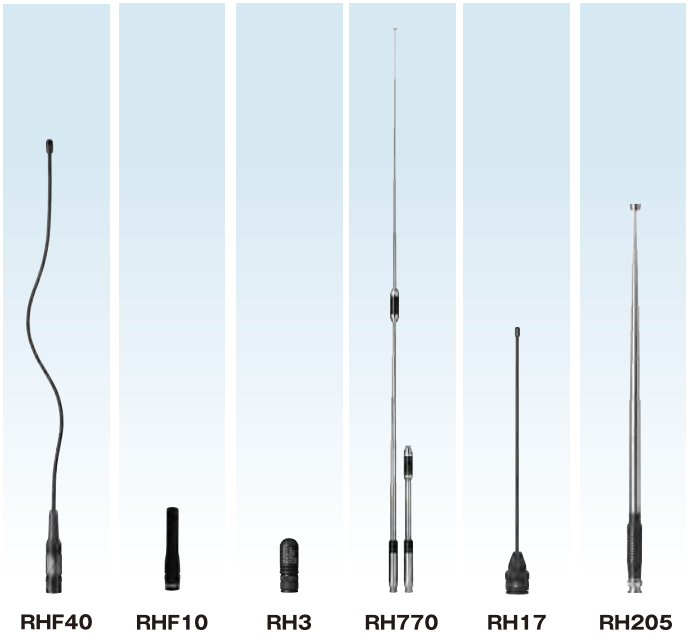
VX30 VX1000 VX4000 F22 F22H F23 F23H F1230AⅡ F718 SE-6A SE-50 SE-100 SE300

Model	Frequency	Gain	Max. power rating	Length	Radial length	Weight	Rated wind velocity	Mast diameter accepted	Connector	Type
HF/V/UHF Fixed Station Antenna										
VX30	144/430MHz (2m/70cm)	2.15dBi(144MHz), 5.5dBi(430MHz)	150W (Total)	1.3m	–	0.7kg	60m/sec.	φ30-62	MJ	1/2λ radialless(144MHz),2 x 5/8 λ radialless (430MHz),FRP outershell
VX1000	50/144/430MHz (6m/2m/70cm)	1.5dBi(50MHz),2.15dBi (144MHz),5.5dBi(430MHz)	150W SSB(Total)	1.42m	–	0.8kg	60m/sec.	φ30-62	MJ	1/2λ(50.5-52MHz),1/2λ radialless(144MHz), 2 x 5/8λ radialless(430MHz),FRP outershell
VX4000	144/430/1200MHz (2m/70cm/23cm)	2.6dBi(144MHz),5.8dBi (430MHz),9.2dBi(1200MHz)	100W (Total)	1.3m	–	0.7kg	60m/sec.	φ30-62	NJ	1/2λ C-Load radialless(144MHz),2 x 5/8λ C-Load radialless (430MHz),5 x 5/8λ C-Load radialless(1200MHz),FRP outershell
F22	144MHz(2m)	6.7dB	200W	3.2m	approx. 52cm	1.3kg	50m/sec.	φ30-62	MJ	omnidirectional 2×7/8λ,FRP outershell
F22H	144MHz(2m)	6.7dB	350W	3.2m	approx. 52cm	1.3kg	50m/sec.	Φ30-62	MJ	omnidirectional 2x7/8λ, FRP outershell
F23	144MHz(2m)	7.8dB	200W	4.6m	approx. 52cm	1.7kg	50m/sec.	φ30-62	MJ	omnidirectional 3×5/8λ,FRP outershell
F23H	144MHz(2m)	7.8dB	350W	5.2m	approx. 50cm	2.0Kg	40m/sec.	φ30-62	MJ	omnidirectional 3×5/8λ,FRP outershell
F1230AⅡ	1200MHz(23cm)	13.5dBi	100W	3.06m	approx. 62cm	1.15Kg	40m/sec.	φ30-62	NJ	1/2λ twenty-five-erement coaxial collinear antenna,FRP outershell
F718	430MHz (70cm)	11.5dBi	250W	4.6m	approx. 19cm	1.7kg	40m/sec.	φ30-60	NJ	18x1/2λ, FRP outershell
HF/V/UHF Marine Fixed Station Antenna										
SE6A	50MHz (6m)	2.15dBi	200W (SSB), 60W (FM)	2.5m	–	2.2kg	60m/sec.	φ25-100	MJ	1/2λradialess
SE50	144/430MHz (2m/70cm)	4.5dB(144MHz), 7.2dB(430MHz)	100W	2.0m	–	0.8kg	60m/sec.	φ30-62	MJ	6/8λ radialless C-Load (144MHz),3x5/8λ radialless C-Load (430MHz),FRP outershell
SE100	144/430MHz (2m/70cm)	6.0dBi(144MHz), 8.0dBi(430MHz)	150W FM(Total)	2.25m	–	1.5kg	50m/sec.	φ25-100	MJ	2x5/8λ radialless(144MHz), 4x5/8λ radialless(430MHz),FRP outershell
SE300	144/430MHz (2m/70cm)	6.5dBi(144MHz), 9.0dBi(430MHz)	150W FM	2.85m	–	1.4kg	50m/sec.	φ30-62	MJ	2x5/8λ radialless C-Load (144MHz), 5x5/8λ radiallessC-Load(430MHz)

*Impedance:50Ω,VSWR:Less than 1.5

HF/V/UHF Hand Held Antenna (BNCP)

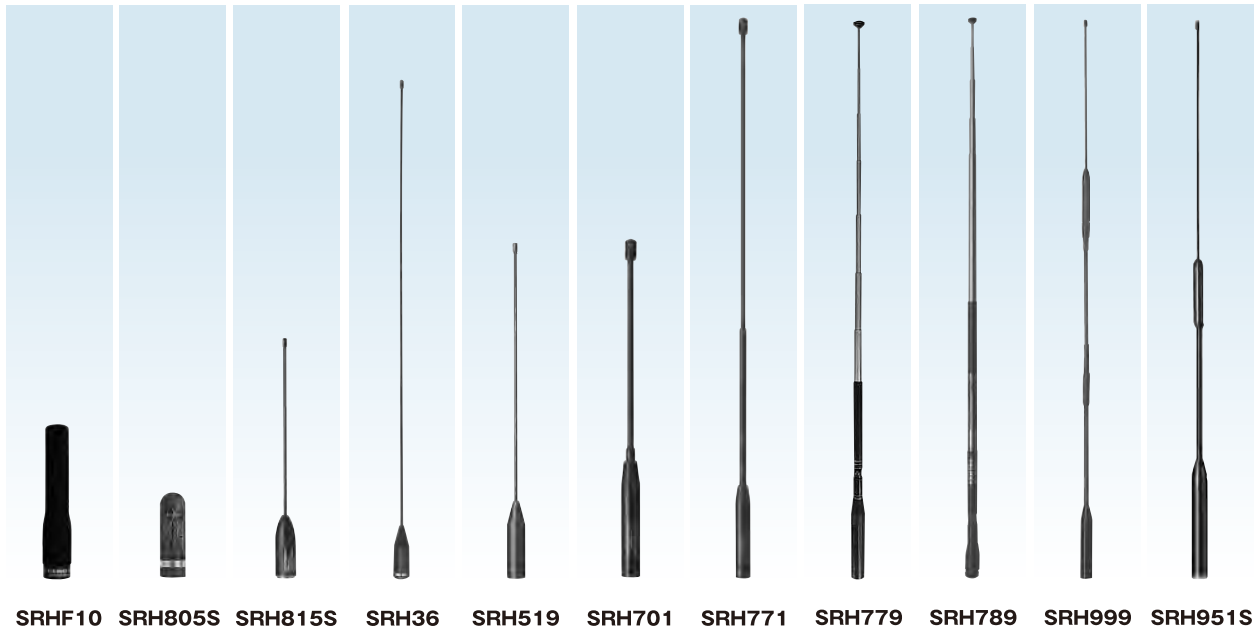


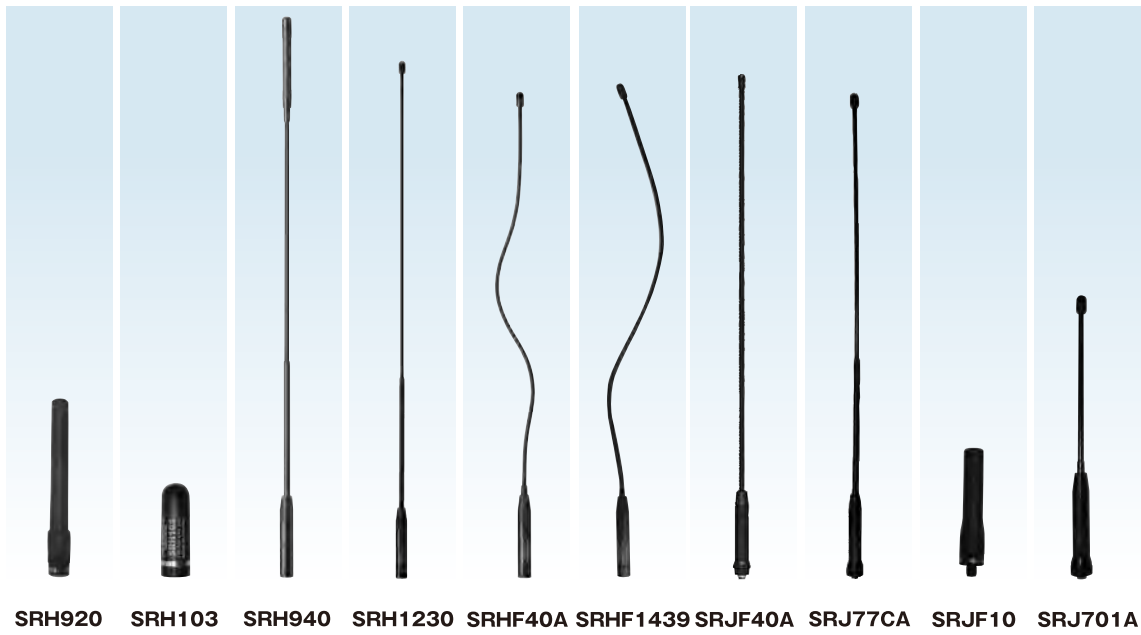


Model	Frequency	Gain	Max. power rating	Length	Weight	Connector	Type
HF/V/UHF Hand Held Antenna (BNCP)							
RH795	70 to 1000MHz Wide-band antenna	2.15dBi	10W	115cm(full length), 19.5cm(retracted)10 stages	65g	BNC-P	1/4λ(70 to 300MHz),telescopic whip antenna
RH799	70 to 1000MHz Wide-band antenna	2.15dBi	10W	113.5cm(full length), 19.5cm(retracted)10 stages	65g	BNC-P	1/4λ(70 to 300MHz), 180 degrees tilt angle adjustable, telescopic whip antenna
RH789	95MHz to 1100MHz	2.15dBi(95 to 300MHz), 3.2dBi(300 to 1100MHz)	10W	80.5cm(full length), 19.5cm(retracted) 6 stages	35g	BNC-P	1/4λ(95 to 300MHz), 5/8λ (300 to 1100MHz),AM/FM receiving (at full length), omnidirectionally foldable structure
RH519	144/430MHz(2m/70cm)	–	10W	20cm	15g	BNC-P	1/4λ, 120/150/300/450/800MHz for receiving only
RH771	144/430MHz(2m/70cm)	2.15dBi(430MHz)	10W	40cm	42g	BNC-P	1/4λ(144MHz),1/2λ radialless(430MHz), 120/150/300/450/800/900MHz for receiving only
RH775	144/430MHz(2m/70cm)	2.15dBi(430MHz)	10W	41cm(full length), 14cm(retracted) 8 stages	35g	BNC-P	1/4λ(144MHz),1/2 radialless(430MHz), 120/150/300/450/800/900MHz for receiving only
RH707	144/430MHz(2m/70cm)	–	10W	21cm	35g	BNC-P	1/4λ(144/430MHz), 120/150/300/450/800/900MHz for receiving only, 180 degrees tilt angle adjustable
RHF40	144/430/1200MHz(2m/70cm/23cm)	–	10W	40.5cm	40g	BNC-P	1/4λ(144/430/1200MHz), 120/150/300/450/800/900MHz for receiving only
RHF10	144/430MHz(2m/70cm)	–	6W	0.75cm	20g	BNC-P	1/4λ, Air band/150/300/450/800/900MHz receiving only
RH3	144/430/1200MHz(2m/70cm/23cm)	–	10W	4.5cm	18g	BNC-P	1/4λ(144/430/1200MHz), 120/150/300/450/800/900MHz for receiving only
RH770	144/430MHz(2m/70cm)	3.0dB(144MHz), 5.5dB(430MHz)	20W	93cm (retracted 22.3cm) 10 stages	85g	BNC-P	1/2λ radialless(144MHz),2x5/8λ radialless(430MHz), 300MHz receiving only
RH17	430MHz(70cm)	2.15dBi	10W	17cm	12g	BNC-P	1/4λ, 300/450MHz for receiving
RH205	144MHz(2m)	–	–	134cm(full length), 23cm(retracted)10 stages	90g	BNC-P	5/8λ (full length),1/4λ (retracted),telescopic whip antenna

*Impedance:50Ω

V/UHF Hand Held Antenna (SMAP)(SMAJ)





Model	Frequency	Gain	Max. power rating	Length	Weight	Connector	Type
V/UHF Hand Held Antenna (SMAP)							
SRHF10	144/430MHz (2m/70cm)	–	6W	7.5cm	20g	SMA-P	1/4λ, Air band/150/300/450/800/900MHz receiving only
SRH805S	144/430/1200MHz(2m/70cm/23cm)	–	10W	4.5cm	15g	SMA-P	1/4λ,120/150/300/450/800/900MHz for receiving only
SRH815S	144/430/1200MHz(2m/70cm/23cm)	2.15dBi(1200MHz)	6W	15cm	10g	SMA-P	1/4λ(144/430MHz),1/2λ(1200MHz), 120/150/300/450/800/900MHz for receiving only
SRH36	144/430MHz(2m/70cm)	2.15dBi	10W	36cm	15g	SMA-P	1/4λ(144MHz),1/2λ radialless(430MHz),120/150/300/450/800MHz for receiving only, super flexible alloy element
SRH519	144/430MHz(2m/70cm)	–	10W	21cm	9g	SMA-P	1/4λ(144/430MHz), 120/150/300/450/800MHz for receiving only
SRH701	144/430MHz(2m/70cm)	–	10W	21cm	26g	SMA-P	1/4λ(144/430MHz),120/150/300/450/900MHz for receiving only
SRH771	144/430MHz(2m/70cm)	–	10W	40cm	38g	SMA-P	1/4λ(144MHz), 1/2λ (430MHz), 120/150/300/450/900MHz for receiving only
SRH779	144/430MHz(2m/70cm)	2.15dBi(430MHz)	10W	44cm(full length), 16cm(retracted) 3 stages	38g	SMA-P	1/4λ(144MHz), 1/2λ (430MHz), FM/120/150/300/450/800/900MHz for receiving only
SRH789	95MHz to 1100MHz	2.15dBi(430MHz)	10W	80.5cm(full length), 20cm(retracted) 6 stages	29g	SMA-P	1/4λ(95 to 300MHz), 5/8λ (300 to 1100MHz), AM/FM receiving(at full length)
SRH999	50/144/430/1200MHz(6m/2m/70cm/23cm)	2.15dBi(95 to 300MHz), 3.2dBi(300 to 1100MHz)	10W	50cm	55g	SMA-P	1/4λ(50/144MHz), 1/2λ(430MHz), 2x5/8λ(1200MHz), FM/Air band/150/300/450/900MHz receiving only
SRH951S	144/430/1200MHz(2m/70cm/23cm)	2.15dBi (430MHz), 5.5dBi (1200MHz)	10W	35cm	33g	SMA-P	1/4λ(50/144MHz), 1/2λ(430MHz) AM/FM/120/150/300/450/800/900MHz receiving only
SRH920	50/144/430MHz(6m/2m/70cm)	2.15dBi	10W	45cm	44g	SMA-P	1/4λ 120/150/300/450/800/900MHz Receiving only
SRH103	120/300MHz receiving only	–	–	4.5cm	15g	SMA-P	1/4λ
SRH940	50/144/430MHz(6m/2m/70cm)	2.15dBi	10W	45cm	44g	SMA-P	1/4λ(50/144MHz), 1/2λ(430MHz), AM/FM/Air band/150/300/450/900MHz receiving only
SRH1230	120MHz/300MHz Air bands receiving only	2.15dBi(300MHz)	–	47cm	43g	SMA-P	1/4λ(120MHz), 1/2λ(300MHz)
SRHF40A	144/430MHz(2m/70cm)	2.15dBi(399MHz)	10W	40cm	40g	SMA-P	1/4λ(144MHz), 1/2λ radialless(430MHz), 120/150/300/450/900MHz receiving only
SRHF1439	139/399 receiving only	2.15dBi(430MHz)	–	40.5cm	40g	SMA-P	1/4λ(139MHz), 1/2λ(399MHz)
V/UHF Hand Held Antenna (SMAJ)							
SRJF40A	144/430MHz(2m/70cm)	2.15dBi(430MHz)	10W	40cm	40g	SMA-J	1/4λ(144MHz), 1/2λradialless (430MHz) 120/150/300/450/800/900MHz Receiving only
SRJ77CA	144/430MHz(2m/70cm)	–	10W	40.2cm	40g	SMA-J	1/4λ(144MHz), 1/2λradialless (430MHz) 120/150/300/450/800/900MHz Receiving only
SRJF10	144/430MHz(2m/70cm)	–	6W	7.2cm	18g	SMA-J	1/4λ 120/150/300/450/800/900MHz Receiving only
SRJ701A	144/430MHz(2m/70cm)	–	10W	19cm	26g	SMA-J	1/4λ(144/430MHz) Air band/150/300/450/800/900MHz receiving only

*Impedance:50Ω

Beam Antenna for The Radio Communications

50MHz Beam Antenna

50MHz(6m)2-ELEMENTS PHASED DRIVE BEAM ANTENNA

A502HBR

Frequency:50 to 53MHz (Center frequency without adjustment is set to 51MHz)
Gain:6.3dBi / Max. power rating:400W(SSB) / Impedance:50Ω
VSWR: Less than 1.5:1(50 to 52MHz without adjustment) / FB ratio : More than 15dB
Half power band width: Less than 70degrees / Wind surface area:0.14m^2
Rated wind velocity:40m/sec. / Turning radius: approx.1600mm / Connector:M-P(M-J)
Mast diameter accepted:25mm to 56mm
Dimensions:800mmx3000mmx85mm / Weight:1.7kg

144MHz(2m) Beam Antenna

A144S5R (Single)
Support boom element for single antenna (optional) is required for one antenna operation.

A144S5R (Parallel stack)
For two antennas, support boom element for dual antenna parallel stacked antennas(optional), and stack transformer(optional) are required for parallel stack operation.

	Single		Parallel stack	
Model	**A144S5R (5 elements)**	**A144S10R (10 element)**	**A144S5R (X2)**	**A144S10R (X2)**
Frequency	144 to 146MHz		144 to 146MHz	
Gain	9.1dBi	11.6dBi	11.5dBi	13.5dBi
Max.power rating	50W		100W	
Impedance	50Ω		50Ω	
VSWR	Less than 1.3:1		Less than 1.5:1	
Weight	0.63kg	1.1kg	2.2kg	3.2kg
Dimensions	950x1090x73mm	2130x1090x73mm	950x1090x1320mm	2130x1090x1320mm
Mast diameter accepted(mm)	25mm to 47mm(with support boom element for single antenna)		25mm to 56mm(with support boom element for dual antenna parallel stacked antennas)	
Connector	M-J		M-J	
FB ratio	More than 14dB	More than 15dB	More than 16dB	More than 17dB
Wind surface area	0.1㎡	0.16㎡	0.19㎡	0.31㎡
Turning radius	approx.860mm	approx.1450mm	approx.870mm	approx.1465mm

430MHz(70cm) Beam Antenna

A430S10R(Single)
Support boom element for single antenna (optional) is required for one antenna operation.

A430S10R (Parallel stack)
For two antennas, support boom element for dual antenna parallel stacked antennas(optional), and stack transformer(optional) are required for parallel stack operation.

	Single		Parallel stack	
Model	**A430S10R(10 elements)**	**A430S15R(15 elements)**	**A430S10R(x 2)**	**A430S15R(x 2)**
Frequency	430 to 440MHz		430 to 440MHz	
Gain	13.1dBi	14.8dBi	15.1dBi	16.8dBi
Max.power rating	50W		100W	
Impedance	50Ω		50Ω	
VSWR	Less than 1.4:1		Less than 1.5:1	
Weight	0.64kg	0.97kg	2.1kg	2.8kg
Dimensions	1190mmx370mmx73mm	2245mmx370mmx73mm	1190mmx370mmx830mm	2245mmx370mmx830mm
Mast diameter accepted(mm)	25mm to 47mm(with support boom element for single antenna)		25mm to 56mm(with support boom element for parallel stacked antenna)	
Connector	M-J		M-J	
FB ratio	More than 15dB	More than 14dB	More than 15dB	More than 16dB
Wind surface area	0.07㎡	0.11㎡	0.14㎡	0.22㎡
Turning radius	approx.820mm	approx.1390mm	approx.835mm	approx.1410mm

Optional Parts for Beam Antenna

Support boom element for parallel stacked antennas

SB144R
(144MHz/2m)

SB430R
(430MHz/70cm)

Support boom element for single antenna

KB144R
(144MHz/2m)

KB430R
(430MHz/70cm)

Stack transformer

SS770R
144MHz(2m)/430MHz(70cm)

144/430MHz(2m/70cm) Beam Antenna

A1430S7
Frequency: 144/430MHz(2m/70cm)
Gain: 7.5dBi (144MHz), 9.3dBi (430MHz)
Max. power rating: 100W (FM)
Impedance: 50Ω
VSWR: Less than 1.5
Boom length: 1.25m
Element length: 1.02m (MAX)

Weight: 0.95kg
Connector: MJ
Rated wind velocity: 35m/sec.
Mast diameter accepted: 25-62φ
Type: 3-elment beam antenna (144MHz), 5-element beam antenna (430MHz)
Wind surface area: 0.17㎡
FB ration: More than 11.5dB(144MHz), More than 8.0dB (430MHz)
Turing radius: Approx. 1.2m

HF Dipole Antenna

7/14/21/28/50MHz(40m/20m/15m/10m/6m) Traped V-Dipole Antenna

HFV5
・7/14/21/28/50MHz(40m/20m/15m/10m/6m)
・150W(SSB)(7/14MHz),220W(SSB)(21/28/50MHz)
Impedance:50Ω
VSWR:Less than 1.5:1(Within Resonant frequency band)
Length:4.0m / Weight:1.95kg
Mast diameter accepted:25mm to 62mm
Connector:M-J / Type:Trapped dipole

HFVC18
18MHz Loding coil for HFV5 only.
Frequency:18MHz Band
Max. Power rating: 150W(SSB)
VSWR:Less than 1.5

HFV330
Frequency:3.5-25MHz(long element) / 21-30MHz(short element)
Max. power rating: 250W(SSB),80W(CW,FM)
Impedance: 50Ω
SWR:Less than 1.5 (at resonate frequency)
Connector: M-J
Element length:2.53m (one side)
Turing-radius: Approx. 1.9m
Weight: Approx. 5.9kg

Rated wind velocity: 35m/sec.
Type: V dipole antenna
Mast diameter Accepted: φ38-φ60
Control cable: 1.5m(included)
Power Supply voltage current: 12V 300mA

SDC2
Controller for HFV330

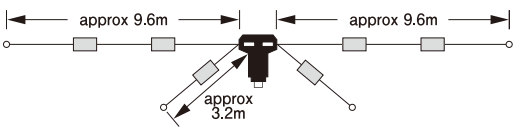
ETK10
10m extension cable for HFV330

HF Dipole Antenna

W-721
7/21MHz(40m/15m)
Max.power rating:1.2kW(PEP)　Length:12.4m / Weight:1.2kg

W-735
3.5/7MHz(80m/40m)
Max. power rating:1.2kW(PEP)　Length:26m / Weight:1.85kg

W-8010
3.5/7/14/21/28MHz(80m/40m/20m/15m/10m)
Max. power rating:1.2kW(PEP)　Length:19.2m / Weight:2.5kg



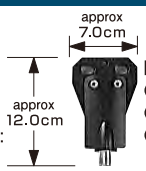
BB series　Broad Band Antenna

BB6W　HF Wide Band Wire Antenna
2-30MHz　Max. power rating:250W（SSB）　Length:approx.6.4m / Weight: 0.8kg / TYPE:Long wire type / Connector:M-J

BB7V　HF Wide Band GP Antenna
2-30MHz　Max. power rating:250W（SSB）　Length:approx.6.7m / Weight: 2.3kg / Connector:M-J

Balun

BU50
●1.7 to 40MHz
●50Ω
●Max. power rating: 1.2kW(PEP)
●Connector:MJ



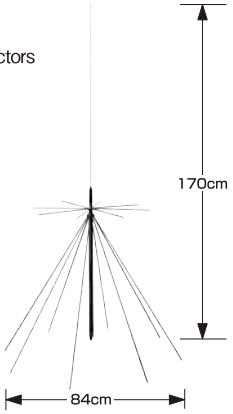
BU55
●3 to 75MHz
●50Ω
●Max. power rating: 500W(PEP)
●Connector:MJ

Discone Antenna

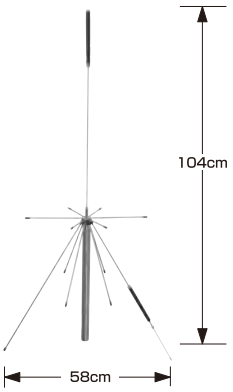
D130 / D130J / D130NJ
(25 to 1300MHz for receiving)
(50/144/430/904/1200MHz for transmitting)
Length:1.7m / Weight:1kg / Max. diameter:84cm
Mast diameter accepted:25mm to 50mm
Coaxial cable:RG58A/U approx.15m with M-connectors / N-connectors
Max power rating 20W(50MHz) 200W(more than 140MHz)
※D130J / D130NJ without coaxial cable assembly.

D1300AM
(25 to 1300MHz for receiving)
(50/144/430/904/1200MHz for transmitting)
Length:1.7m / Weight:1kg / Max. diameter:84cm
Mast diameter accepted:25mm to 50mm
Max Power Rating : 20W (50MHz) ,
100W (more than 144MHz)

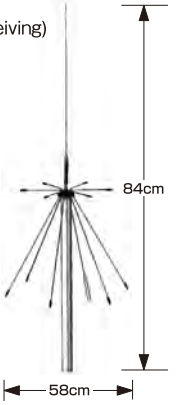
D3000N
(25 to 3000MHz for receiving)
(50/144/430/904/1200MHz for transmitting)
Length: 1.7m / Weight: 1kg / Max. diameter: 84cm
Mast diameter accepted: 25mm to 50 mm
Max. power rating: 20W (50MHz), 200W (more than 144MHz)
Connector: NJ



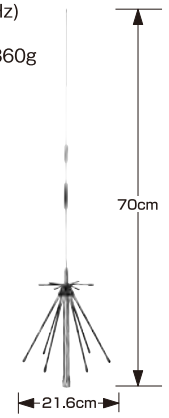
D150
(50 to 1500MHz for receiving)
(50/144/430/904/1200MHz for transmitting)
Length:1.04m / Weight:0.62kg / Max. diameter:0.58m
Max. power rating:50W(FM)(30W FM at 50MHz band)
Impedance:50Ω / Connector:M-J /
Mast diameter accepted:25mm to 50mm
Type:Wide band discone antenna
Coaxial cable assembly
(RG58/U 10m with M-P connectors at ends) is included.



D190
Mobile Discone Antenna (100 to 1500MHz for receiving)
(144/430/904/1200MHz for transmitting)
Length:0.84m / Weight:0.52kg
Max. diameter: approx.36cm
Mast diameter accepted:25mm to 50mm
Coaxial cable assembly
(RG58/U 10m with M-P connectors)
is included.
Max power rating:50W(30W at 144MHz)

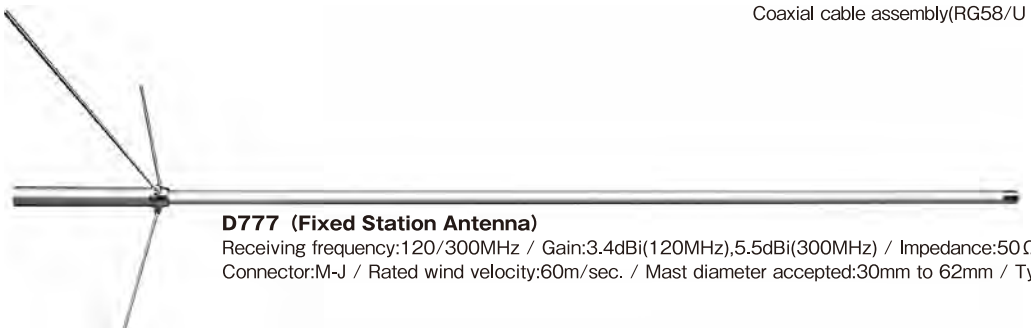


D220R
Mobile Discone Antenna (100 to 1600MHz for receiving)
(144/430/904/1200MHz for transmitting)
Gain:2.15dBi(144/904/1200MHz),3.4dBi(430MHz)
Max. power rating:50W / Impedance:50Ω
VSWR:Less than 1.5:1 / Length:0.70m / Weight:360g
Max. diameter:21.6cm / Connector: M-P
Type:1/2λ(144MHz),2x5/8λ(430MHz)



Receiving Antenna

D303 (Fixed Station Antenna)
Receiving frequency:0.5 to 200MHz wide band
Length:1.56m / Weight:0.85kg / Impedance:50Ω / Connector:M-J
Rated wind velocity:60m/sec. / Mast diameter accepted:30mm to 62mm
Coaxial cable assembly(RG58/U 10m with M-P connector at both ends) is included.



D777 (Fixed Station Antenna)
Receiving frequency:120/300MHz / Gain:3.4dBi(120MHz),5.5dBi(300MHz) / Impedance:50Ω / Length:approx.1.7m / Weight:1.0kg
Connector:M-J / Rated wind velocity:60m/sec. / Mast diameter accepted:30mm to 62mm / Type:5/8λ (120MHz),2x5/8λ (300MHz)

D103 (Mobile Whip Antenna)
Receiving frequency:120/300MHz air bands / Gain:2.15dBi(120MHz),5.5dBi(300MHz) / Impedance:50Ω
Length:approx.1.3m / Weight:225g / Connector:M-P / Type:1/2λ (120MHz) 2x5/8λ,(300MHz)

Dummy Load Surge Protector Coaxial Switch

DL-50A

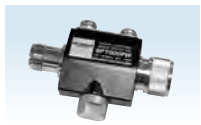
DL-50N

Model	Frequency range	Power rating	Imped-ance	VSWR	Input Connector	Dimensions
Dummy Load						
DL-50A	DC to 1000MHz	20W (5min. ON, 5min. OFF AVG), 50W (1min. ON, 1min. OFF AVG), 100W (30sec. ON, 3min. OFF AVG)	50Ω	Less than 1.15 (DC to 800MHz), Less than 1.2 (800 to 1000MHz)	MP	30mmxL75mm
DL-50N	DC to 1500MHz	15W (continuous),20W (5min. ON, 5min. OFF AVG), 50W (1min. ON, 3min. OFF AVG), 100W (30sec. ON, 3min. OFF AVG)	50Ω	Less than 1.15 (DC to 1000MHz), Less than 1.2 (1000 to 1300MHz), Less than 1.3 (1300MHz to 1500MHz)	NP	30mmxL75mm

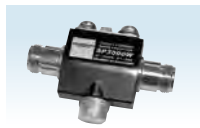
SP1000

SP3000

SP3000P



SP1000PW



SP3000W

CX-210A

CX-310A

Model	Frequency range	Imped-ance	Conne-ctor	VSWR	Insertion loss	Isolation (output terminated)	Max. power rating	Dimensions (W×H×D)mm	Weight
Surge Protector									
SP1000	DC-1000MHz	50Ω	MJ-MJ	Less than 1.2	Less than 0.3db	–	400W (PEP)	66Wx41Hx20D	80g
SP3000	DC-3000MHz	50Ω	NJ-NJ	Less than 1.2	Less than 0.3db	–	200W (PEP)	78Wx41Hx20D	110g
SP3000P	DC-3000MHz	50Ω	NJ-NP	Less than 1.2	Less than 0.3db	–	400W (PEP)	77Wx41Hx21D	110g
SP1000PW	DC-1000MHz	50Ω	MJ-MP	Less than 1.2	Less than 0.3db	–	400W (PEP)	78Wx55Hx26D	130g
SP3000W	DC-3000MHz	50Ω	NJ-NJ	Less than 1.2	Less than 0.3db	–	200W (PEP)	78Wx55Hx26D	140g
Coaxial Switch									
CX210A	DC to 1000MHz	50Ω	MJ	Less than 1.05:1(DC to 500MHz), Less than 1.1:1(500 to 1000MHz)	Less than 0.05dB(DC to 500MHz), Less than 0.1dB(500 to 1000MHz)	More than 70dB(DC to 200MHz), More than 60dB(200 to 1000MHz)	1.5KW	71Wx57Hx42Dmm	440g
CX210N	DC to 3000MHz	50Ω	NJ	Less than 1.05:1(DC to 500MHz), Less than 1.1:1(500 to 1000MHz), Less than 1.15:1(1000 to 2000MHz), Less than 1.2:1(2000 to 3000MHz)	Less than 0.05dB(DC to 500MHz), Less than 0.1dB(500 to 1000MHz), Less than 0.15dB(1000 to 2000MHz), Less than 0.2dB(2000 to 3000MHz)	More than 70dB(DC to 200MHz), More than 60dB(200 to 1000MHz), More than 55dB (1000 to 2000MHz), More than 50dB(2000 to 3000MHz)	1.5KW	71Wx57Hx42Dmm	440g
CX310A	DC to 800MHz	50Ω	MJ	Less than 1.1:1(DC to 500MHz), Less than 1.2:1(500 to 1000MHz)	Less than 0.1dB(DC to 500MHz), Less than 0.15dB(500 to 1000MHz)	More than 60dB(DC to 500MHz), More than 50dB(500 to 800MHz)	1.5KW(DC to 30MHz), 1KW(30 to 150MHz), 500W(150 to 800MHz)	84Wx95Hmm	575g
CX310N	DC to 1500MHz	50Ω	NJ	Less than 1.1:1(DC to 500MHz), Less than 1.2:1(500 to 1500MHz)	Less than 0.1dB(DC to 500MHz), Less than 0.2dB(500 to 1500MHz)	More than 60dB(DC to 500MHz), More than 50dB(500 to 1500MHz)	1.5KW(DC to 30MHz), 1KW(30 to 150MHz), 500W(150 to 500MHz), 250W(500 to 1000MHz), 150W(1000 to 1500MHz)	84Wx95Hmm	575g

Duplexer & Triplexer

MX-72H

MX-610

MX-62M/N

MX-3000

MX-2000

Model	Passband width	Power rating	Insertion loss (in amateur bands)	Isolation (in amateur bands)	Imped-ance	VSWR	Connectors	Coaxial Cable	Dimensions (W×H×D)mm	Weight
Duplexer										
MX72A	LPF : 1.6 to 30MHz 140 to 150MHz HPF: 400 to 460MHz (LPF : 1.6 to 225MHz HPF : 340 to 1000MHz receiving only)	1.6 to 30MHz: 400W(CW)/1kW(PEP) 140 to 150MHz: 150W(CW)/400W(PEP) 400 to 460MHz: 100W(CW)/250W(PEP)	LPF : Less than 0.15dB HPF: Less than 0.25dB	More than 60dB	50Ω	Less than 1.2	(MIX)NJ,(144)MP (430)NP	5D-2VS (35cm)	46Wx27Hx57Dmm	220g
MX-72N			LPF : Less than 0.15dB HPF: Less than 0.25dB	More than 60dB		Less than 1.2:1	(MIX)MJ,144(MP) (430)NP	5D-2VS (35cm)	46Wx25Hx57Dmm	220g
MX-72H							(MIX)MJ,(144)MP (430)MP			
MX-72D			LPF : Less than 0.1dB HPF: Less than 0.2dB					–	46Wx27Hx57Dmm	180g
MX-610	LPF : 1.3 to 30MHz HPF : 49 to 470MHz (76 to 120MHz receiving only)	1.3 to 30MHz:600W(PEP) 49 to 250MHz:600W(PEP) 300 to 470MHz:500W(PEP)	LPF : Less than 0.2dB (1.3 to 30MHz) , HPF : Less than 0.25dB(49 to 470MHz)	More than 45dB		Less than 1.2:1	(MIX)MJ (1.3 to 30MHz) MP (49 to 470MHz) MP	5D-2V (35cm)	86Wx25Hx64Dmm	360g
MX-62M/N	LPF : 1.6 to 56MHz HPF : 76 to 470MHz (76 to 120MHz receiving only)	600W(PEP)	LPF:Less than 0.2dB/ 140 to 470MHz:Less than 0.3dB	More than 50dB		Less than 1.2:1	(MIX)MJ./NJ (1.6 to 56MHz)MP (76 to 470MHz)MP			360g
Triplexer										
MX-3300MN	LPF : 1.6 to 160MHz BPF : 350 to 500MHz HPF : 850 to 1300MHz	LPF : 800W(PEP) BPF : 500W(PEP) HPF : 200W(PEP)	LPF :Less than 0.2dB BPF:Less than 0.3dB HPF:Less than 0.4dB	More than 55dB	50Ω	Less than 1.2:1	(MIX)MJ,(144)MP (430)MP,(1200)NP	5D-2VS (35cm)	86Wx25Hx64Dmm	385g
MX-3000							(MIX)NJ,(144)MP (430)MP,(1200)NP			
MX-3000N							(MIX)NJ,(144)MP (430)NP,(1200)NP			410g
MX-2000	LPF : 1.6 to 60MHz BPF : 110 to 170MHz HPF : 300 to 950MHz	LPF : 800W(PEP) BPF : 800W(PEP) HPF : 500W(PEP)	LPF :Less than 0.15dB BPF:Less than 0.2dB HPF:Less than 0.25dB	More than 60dB		Less than 1.2:1	(MIX)MJ,(50)MP (144)MP,(430)MP			360g
MX-2000N							(MIX)MJ,(50)MP (144)MP,(430)NP			360g

SWR/POWER Meter

SX-1100

SX-600/SX-600N

SX-400/SX-400N

SX-200

Model	Frequency range	Power display rating	Minimum power at SWR measuremen	Accuracy of full scale	Insertion loss
SWR Power Meter					
SX1100	S1 (1.8-160MHz), S2(430-450MHz/800-930MHz/1240-1300MHz)	5W 20W 200W	S1(1W),S2(2W)	±10%(F.S)	S1(less than 0.2dB), S2(less than 0.15dB)
SX600 SX600N	1.8 to 525MHz/S1(1.8 to 160MHz), S2(140 to 525MHz)		S1(1W), S2(4W)	±10%(F.S)	S1(less than 0.2dB), S2(less than 0.3dB)
SX400 SX400N	140 to 525MHz		4W	5W Range ±10%(F.S),20W Range ±5%(F.S), 200W Range ±5%(F.S),(Add -10% of full scale at 220 to 420MHz,add +10% of full scale at 450 to 525MHz)	Less than 0.1dB(140 to 250MHz) Less than 0.2dB(400 to 470MHz) Less than 0.3dB(525MHz)
SX200	1.8 to 200MHz		1W	5W Range ±5%(F.S),20W Range ±7.5%(F.S), 200W Range ±5%(F.S), (Add +15% of full scale at 160 to 200MHz)	Less than 0.15dB(1.8 to 3.5 MHz), Less than 0.2dB(150 to 200MHz)
SX100	1.6 to 60MHz	30W 300W 3KW	3W	±10%(F.S)	Less than 0.1dB
Compact SWR Power Meter					
SX27P	140 to 150MHz/ 430 to 450MHz	15W 60W	–	–	Less than 0.3dB
Cross Needle SWR Power Meter					
SX40C	144 to 470MHz	30W 300W	3W	10%AT.FS	–
SX20C	3.5 to 30MHz/50 to 54MHz/130 to 150MHz	30W 300W	3W		–
SX240C	3to525MHz/S1(3to60MHz), S2(140to525MHz)	30W 300W 3KW	5W	±10%(F.S)	Less than 0.1dB(S1), Less than 0.2dB(S2)

High Performance DC Regulated & Switching Power Supply

GSV3000

GSV1200

GZV6000

GZV4000

◎90VAC types and 240VAC type and available

Model	Input voltage	Output voltage	Output current	Dimensions	Weight	Type
GSV3000	AC100V/230V (50,60Hz)	DC1V to 15V variable	30A(continuous)(13.8V) (8hours), 34A(intermittent) (1 min. on and 1 min. off)	250Wx150Hx240Dmm	9kg	Built in Dc cooling fan
GSS3000		13.8VDC	30A(continuous)(13.8V) (8hours), 34A(intermittent) (1 min. on and 1 min. off)			
GSV1200		DC1V to 15V variable	12A(continuous) (13.8V) (8hours), 15A(intermittent) (1 min. on and 1 min. off)	160Wx100Hx235Dmm	5.8kg	

Model	Input voltage	Output voltage	Output current	Dimensions	Weight	Type
GZV6000 (Switching)	AC100V/230V (50,60Hz)	DC1V to 15V variable	60A (continuous, 8hours)	210Wx110Hx330Dmm	5.2kg	Cooling system: Forced air flow with DC fan Built in speaker
GZV4000 (Switching)		DC5 to 15V variable	40A (continuous, 8hours)		3.5kg	
GZV2500 (Switching)		DC5 to 15V variable	20A (continuous, 8hours)	210Wx110Hx220Dmm	2.5kg	

Battery Back-up Exchange Box For Power supply

MSE9140

MS928

Model	Input Voltage Range	Output Loa Current (Continuous)	Voltage Drop betweenDC Load and 13.8V DC INPUT / 12V
MSE9140	11-15V	40A	≦0.4A
MS928	13.5-14.3V	25A	≦0.8A

Max. Charging Voltage	Max. Charging Current	Dimensions (W×H×D) mm	Weight
12.5Vdc (@13.3Vdc Input) 13.0Vdc (@13.8Vdc Input) 14.2Vdc (@15.0Vdc Input)	0.2-0.6A	95W×70H×60Dmm	240g
12.2Vdc (@13.5Vdc Input) 13.0Vdc (@13.8Vdc Input) 13.8Vdc (@14.3Vdc Input)	0.4-0.6A	95W×6H×55Dmm	390g

SX-100

SX27P

SX40C

SX20C

SX240C

Measurment function	Connectors	Display illumination	Powersupply	Dimensions(W×H×D)mm	Weight	Sensor
Forward RF power, Reflected RF power, SWR,PFP monitor	S1(MJ),S2(NJ)	Meter illumination and LED function display require external DC13.8V power	DC13.8V	155Wx63Hx103Dmm	890g	2 sensors(S1/S2)
	MJ/NJ				630g	
		–			540g	–
	MJ	–				
	MJ	–			640g	–
Forward Rf power,SWR	MJ	–	–	64Wx75Hx31Dmm	200g	–
–	MJ	–	–	85Wx87Hx95Dmm	270g	–
–		–	–			
Forward RF power, Reflected RF power,SWR,PFP monitor		–	DC13.8V	170Wx100Hx130Dmm	1.3Kg	–

DC to DC Converter

GZR2000

GCM3500

GCR1000

GCR500

GCR125

Model	Input voltage	Output voltage	Max Output current	Dimensions (W×H×D)mm	Weight	Type
GZR2000	DC22V to 30V	DC13.8V±0.5V	20A(continuous), 23A(intermittent)	156Wx57Hx168Dmm	1.4kg	Over load protection circuit:16V±0.5V Back up current:0.2A cooling system
GCM3500			35A	170Wx115Hx270Dmm	3.3kg	Built in DC cooling fan Over load protection circuitBuilt in DC cooling fan Over load protection circuit
GCR1000			10A(continuous)(DC24V)(for 8 hours), 12A(intermittent)(for 1 min. on and 1 min. off)	143Wx50Hx183Dmm	1.3kg	Over load protection circuit
GCR500			5A (continuous)(DC24V)(for 8 hours), 5.5A(intermittent)(for 1min. on and 1 min. off)	112Wx45Hx100Dmm	0.6kg	
GCR125						

Bracket and Magnetic Base

Trunk Lid Mount Antenna Bracket

K600M
Tilt angle adjustable
0 to 9 degrees
Coaxial cable:1.5D-Q・
SUPER/5DQ-Ⅱ
Connector:MJ-MP

KTRⅡ
Tilt angle adjustable 0 to 9 degrees

TE - 5M
Tilt angle
adjustable 0 to 9 degrees
Coaxial cable:1.5D-Q・SUPER/5DQ-Ⅱ
Connector:MJ-MP

Gutter Mount Antenna Bracket

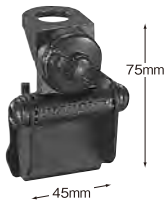
K300
Tilt angle adjustable
SUPER GAINER

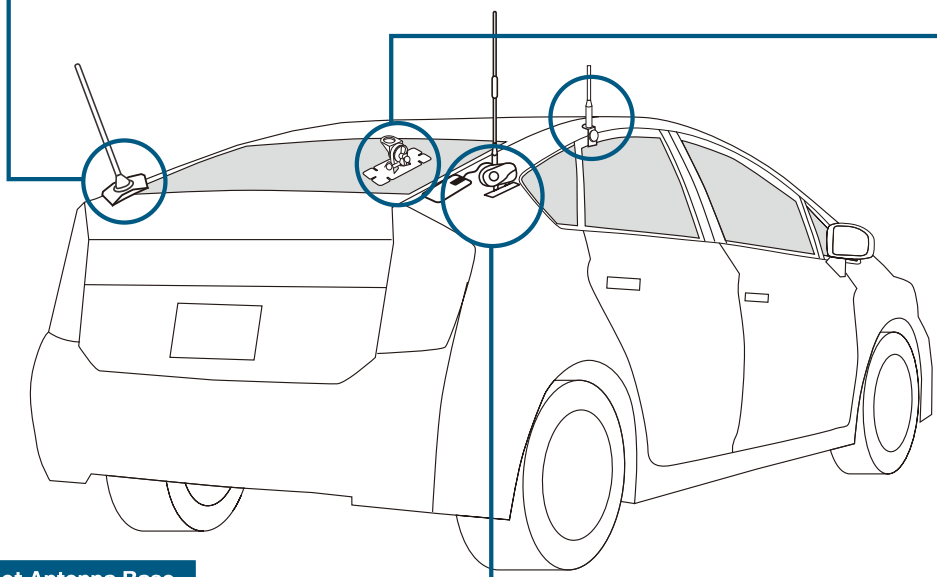
K301
2-axis adjustable
Compact heavy
duty type
(Tilt angle adjustable
mount only)

K11
(Heavy duty type Tilt angle
adjustable mount only)

BL (mount only)
Stainless steel

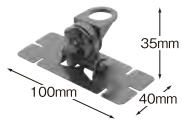
K311
2-axis adjustable
(Tilt angle adjustable
mount only)





Adhesive Backed Mount

HRK
This bracket can accept only those antennas with less than 1m in length and less than 200g in weight such as SGM506R,SGM507,AZ510FX, AZ507R.

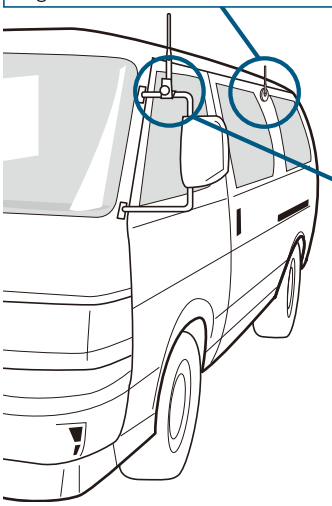


Magnet Antenna Grounding Sheet

MAT 50
＊For details,
please refer to P12

Compact Magnet Antenna Base

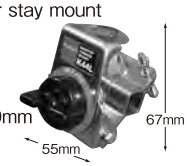
MCR-M
Compact magnet antenna base for handheld transceiver antennas
Coaxial cable:NL-1.5D-Q SUPER 2.5m
Impedance:50Ω/Connector:BNCJ-BNCP
Magnet diameter:53mm



Rooftop Carrier / Mirror Stay Mount Antenna Bracket

SUPER GAINER
K540
Tilt angle adjustable/mount bracket only
Mast diameter
accepted:15mm to 25mm

K44L
Rooftop carrier/ Mirror stay mount antenna bracket
Heavy duty type
Tilt angle adjustable/
mount bracket only
Mast accepted: 15-40mm



CRM
Mount bracket only
Stainless steel
Mast diameter
accepted:10mm to
27mm

DPK-CR
Mount bracket only
For roof carrier, mirror stay, stainless steel
Mast diameter
accepted:8mm to
32mm

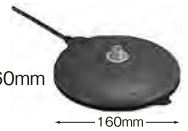
CRB
Mount bracket only/black type
For roof carrier, mirror stay
Mast diameter
accepted:8mm to
32mm

CLB
Mount bracket only
Heavy duty type/stainless steel
Mast diameter
accepted:10mm to 52mm

Bracket and Magnetic Base

Magnet Base(with Cable)

K702M
With suction cup
Coaxial cable:RG58A/U 4m
Connector:MJ-MP Diameter:160mm



K701M
Coaxial cable: 1.5D-Q･SUPER/5DQ-Ⅱ
Connector: MJ-MP Diameter: 160mm

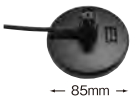
Compact size types with suction cup

K707M
Coaxial cable:2.5DQ-S 4m
Connector:MJ-MP

K707B
Coaxial cable:2.5DQ-S 4m
Connector:MJ-BNCP

K707S
Coaxial cable:2.5DQ-S 4m
Connector:MJ-SMAP

MR5A
Coaxial cable: RG-58 C/U 5m
Connector: MJ-MP



MR2A
Coaxial cable:1.5D-Q SUPER(1m)
3.5DQEFV(3m) /Connector:MJ-MP

MR2B
Coaxial cable:1.5D-Q SUPER(1m)3.5DQEFV(3m)
Connector:MJ-BNCP

Strong magnet types
DPK-4NM-N
Coaxial cable:3.5DQEFV 4m
Connector:NJ-NP
Diameter:111mm

DPK-4NM-M
Coaxial cable:3.5DQEFV 4m
Connector:MJ-NP / Diameter:111mm

Super magnet type
SPM-35
Coaxial cable:3.5DQEFV 4m
Connector:MJ-MP / Diameter:111mm

SPM355
Coaxial Cable:3.5DQEFV 5m
Connector:MJ - MP Diameter:111 mm

SPM356
Coaxial Cable:3.5DQEFV 6m
Connector:MJ - MP Diameter:111 mm

SPM357
Coaxial Cable:3.5DQEFV 7m
Connector:MJ - MP Diameter:111 mm

DP-MRX
Magnet base bracket for handheld transceivers
Coaxial cable:RG58A/U3m
Connector:BNCJ-BNCP
Magnet diameter:76.5mm

DP-SPM
Coaxial cable:RG58A/U 4m
Connector:MJ-MP

Roofrail Mount Antenna Bracket

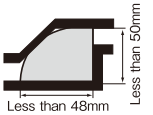
SUPER GAINER
K550
Tilt angle adjustable mount bracket only
Mast diameter accepted:15mm to 25mm

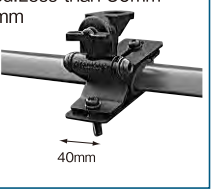
K550L
Rooftop railing height accepted:
Less than 28mm
Width accepted: Less than 75mm
※It cannot be used with the round pipe.

K501
Compact size/heavy duty type
Tilt angle adjustable/mount bracket only
2-axis adjustable
(1)Mast diameter accepted:15mm to 34mm
(2)Rooftop railing Height accepted:Less than 32mm Width accepted:Less than 50mm
(3)Square mast side length accepted:15mm to 26mm

K512
Tilt angle adjustable/mount bracket only
3-axis adjustable
(1)Mast diameter accepted:15mm to 34mm
(2)Rooftop railing Height accepted:Less than 32mm Width accepted:Less than 50mm
(3)Square mast side length accepted:15mm to 26mm

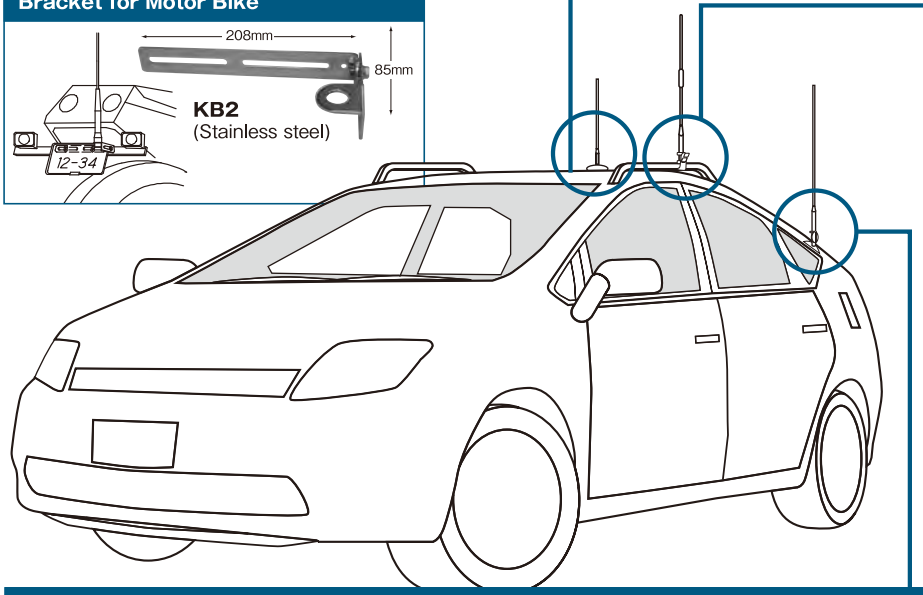
K515
Tilt angle adjustable/mount bracket only
2-axis adjustable
Rooftop railing Height accepted:Less than 50mm
Width accepted:Less than 48mm





Bracket for Motor Bike

KB2
(Stainless steel)



Strong Magnet Antenna Base

MRK
Without cable assembly
2-axis adjustable

SPBⅡ
Without cable assembly
Recommend cable Without cable assembly
Recommend cable:
2D, RG58, 3D, 3.5D, 5D

K3000
Usable antenna specification
Length: Less than 1.85m
Weight: Less than 1.1kg
Production weight: 1.5kg

Trunk Lid / Hatchback Door Mount Antenna Bracket

K405
2-axis adjustable/mount bracket only
Compact & heavy duty type

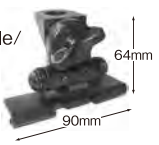
K401
2-axis adjustable/ mount bracket only
Compact & heavy duty type

K412
3-axis adjustable/mount bracket only

SUPER GAINER
K400
Tilt angle adjustable/mount bracket only

K33
Tilt angle adjustable/mount bracket only Heavy duty type

K415
3-axis adjustable/ mount bracket only



K413
3-axis adjustable/mount bracket only

K416
3-axis adjustable/ mount bracket only

SUPER GAINER
K402
3-axis adjustable/mount bracket only

●Separation Cable (Antenna Side)

Diameton(mm)
1.5D-Q·SUPER 3.0mm

Model	1.5D-Q・super	Connector
SLM-050	0.5m	MLJ
SLM-100	1.0m	MLJ
SLM-150	1.5m	MLJ
SLM-200	2.0m	MLJ
SLM-250	2.5m	MLJ
SLM-300	3.0m	MLJ
SLN-100	1.0m	NLJ
SLN-150	1.5m	NLJ
SLN-200	2.0m	NLJ

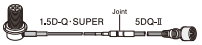
*with Opsealer, Dressing ring, and 2pcs M16 nut

●Separation Cable (Radio Side)

Diameton(mm)
5DQ-Ⅱ 7.5mm

Model	5DQ-Ⅱ	Connector
DQM-150	1.5m	MP
DQM-200	2.0m	MP
DQM-250	2.5m	MP
DQM-300	3.0m	MP
DQM-350	3.5m	MP
DQM-400	4.0m	MP
DQM-450	4.5m	MP
DQM-500	5.0m	MP
DQM-550	5.5m	MP
DQN-200	2.0m	NP
DQN-300	3.0m	NP
DQN-400	4.0m	NP

●Mobil Cable Assembly



Diameton(mm)
1.5D-Q·SUPER 3.0mm
5DQ-Ⅱ 7.5mm

	Model	1.5D-Q·SUPER+5DQ-Ⅱ	Connector
4m TYPE	M410R	1.0m+3.0m	MLJ-MP
	M420R	2.0m+2.0m	MLJ-MP
5m TYPE	M510R	1.0m+4.0m	MLJ-MP
	M520R	2.0m+3.0m	MLJ-MP
	M525R	2.5m+2.5m	MLJ-MP
6m TYPE	M610R	1.0m+5.0m	MLJ-MP
	M620R	2.0m+4.0m	MLJ-MP
	M625R	2.5m+3.5m	MLJ-MP

●Coaxial Cable Set for Base Antenna

Diameton(mm)
5D-2V
5D-FB 7.5mm
5DQ-Ⅱ 7.5mm

	Model	Coaxial Cable	Connector
10m TYPE	5D10MB	5D-2V 10m	MP-MP
	5DF10MB	5D-FB 10m	MP-MP
15m TYPE	5D15MB	5D-2V 15m	MP-MP
	5DF15MB	5D-FB 15m	MP-MP
20m TYPE	5D20MB	5D-2V 20m	MP-MP
	5DF20MB	5D-FB 20m	MP-MP
25m TYPE	5D25MB	5D-2V 25m	MP-MP
	5DF25MB	5D-FB 25m	MP-MP
30m TYPE	5D30MB	5D-2V 30m	MP-MP
	5DF30MB	5D-FB 30m	MP-MP

●Mobile Coaxial Cable Assembly

	Model	Coaxial Cable	Connector
RG58/U 5.0mm	RG3MR	RG58A/U3m	MLJ-MP
	RG4MR	RG58A/U4m	MLJ-MP
	RG5MR	RG58A/U5m	MLJ-MP
	RG6MR	RG58A/U6m	MLJ-MP
	RG7MR	RG58A/U7m	MLJ-MP
5DQ-Ⅱ 7.5mm	5DQ4MR	5DQ-Ⅱ4m	MLJ-MP
	5DQ5MR	5DQ-Ⅱ5m	MLJ-MP
	5DQ6MR	5DQ-Ⅱ6m	MLJ-MP
5D-2V 7.3mm	5D4MR	5D-2V4m	MLJ-MP
	5D5MR	5D-2V5m	MLJ-MP
	5D6MR	5D-2V6m	MLJ-MP
	5D7MR	5D-2V7m	MLJ-MP
5D-QEFV	5DFJ4MR	5D-QEFV4m	MLJ-MP
	5DFJ5MR	5D-QEFV5m	MLJ-MP
	5DFJ6MR	5D-QEFV6m	MLJ-MP
3.5D-LFV 5.6mm	3D4MR	3.5D-LFV4m	MLJ-MP
	3D5MR	3.5D-LFV5m	MLJ-MP
	3D6MR	3.5D-LFV6m	MLJ-MP
2D-LFB-S 3.9mm	2D1MR	2D-LFB-S1m	MLJ-MP
	2D2MR	2D-LFB-S2m	MLJ-MP
	2D3MR	2D-LFB-S3m	MLJ-MP
	2D4MR	2D-LFB-S4m	MLJ-MP
	2D5MR	2D-LFB-S5m	MLJ-MP
	2D1BRL	2D-LFB-S1m	MLJ-BNCP
	2D2BR	2D-LFB-S2m	MLJ-BNCP
	2D3BR	2D-LFB-S3m	MLJ-BNCP
	2D4BR	2D-LFB-S4m	MLJ-BNCP
	2D5BR	2D-LFB-S5m	MLJ-BNCP
	2D1SRL	2D-LFB-S1m	MLJ-SMAP
	2D2SR	2D-LFB-S2m	MLJ-SMAP
	2D3SR	2D-LFB-S3m	MLJ-SMAP
	2D4SR	2D-LFB-S4m	MLJ-SMAP
	2D5SR	2D-LFB-S5m	MLJ-SMAP
RG58C/V 5.0mm	ECH	RG58C/V4m	MLJ-MP
	ECH5	RG58C/V5m	MLJ-MP

2D1SS
●Coaxial cable:2D-LFB-S1m
●Connector:SMAP-SMAJ

2D1SB
●Coaxial cable:2D-LFB-S1m
●Connector:SMAP-SMAJ

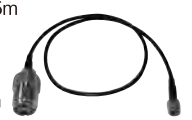
2D1BS
●Coaxial cable:2D-LFB-S1m
●Connector:BNCP-SMAJ

2D1BR
●Coaxial cable:2D-LFB-S1m
●Connector:MJ-BNCP

M102B
●Coaxial cable:2D-LFB-S1m
●Connector:MP-BNCP

1D05SR
●Coaxial cable:1.5DS-EXL0.5m
●Connector:MJ-SMAP

1D05SR
●Coaxial cable:1.5DS-EXL1m
●Connector:MJ-SMAP



2D1SR
●Coaxial cable:2D-LFB-S1m
●Connector:MJ-SMAP

M102S
●Coaxial cable:2D-LFB-S1m
●Connector:MP-SMAP

5D05M
●5D2V 0.5m
●Connectors : MP-MP
5D1M
●5D2V 1m
●Connectors : MP-MP
5D05N
●5DFB 0.5m
●Connectors : NP-NP
5D3M
●5D2V 3.0m
●Connectors : MP-MP
5D3MJ
●5D2V 3.0m
●Connectors : MP-MJ
5D05M
●5D2V 5.0m
●Connectors : MP-MP
5D5MJ
●5D2V 5.0m
●Connectors : MP-MJ

Accessories

Rooftop Tower and Antenna Mast Set

YS5
Stay wire:3mmx40m / Turn buckle:4 pieces(for 3mm diameter)
Wire clip:32 pieces / Screw eye bolt:4 pieces(antenna mast)
Length:5.0m / Step:5 Aluminum /Weight:4.2kg(rooftop tower)
Height:84.5cm /
Foot span:74cm / Max. load:400kg / Weight:5.47kg

Antenna poles

FP-8	Length: 7.25m 4 stages, aluminum
FP-10A	Length: 9.07m 5 stages, aluminum
FP-12	Length: 10.92m 6 stages, aluminum
FP-14	Length: 12.8m 7 stages, aluminum
FP-5	Length: 5.0m 5 stages, aluminum

Base holders
FB-5
Height: 1.15m / Bottom width: 95cm
Max. vertical load: 400kg / Weight: 6.5kg

Portable Telescopic Antenna Pole

AM450
Length: approx. 1.4m (minimum) to approx. 4.5m (maximum)
Weight: Approx. 1.2kg
Pipe diameter: φ22mm(upper)-φ31mm(lower), 4 sections telescopic type
Maximum weight load: approx. 8kg (in perpendicular setting and calm)
Accessories: Stay rope 30m, Base bracket for coaxial connector, Fix bolt, Camera screws (all screws), Rock nut.

AM600
Length: approx. 1.6m (minimum) to approx. 6.0m (maximum)
Weight: Approx. 1.6kg
Pipe diameter: φ22mm(upper)-φ34mm(lower), 5 sections telescopic type
Maximum weight load: approx. 8kg (in perpendicular setting and calm)
Accessories: Stay rope 30m, Base bracket for coaxial connector, Fix bolt, Camera screws (all screws), Rock nut.

AS600
Length: Approx. 93cm (Folding)
Weight: Approx. 2kg
Max. load capacity: Approx. 50kg
(when horizontally setting and no wind)
Max. legs spread width: Approx. 1m
Pole diameter accepted: Pipe φ31 and Pipe φ34

Convertion Connector

BNCP-SMAJ

BNCJ-SMAP

SMAJ-SMAJ

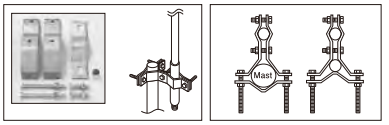
Power Supply Cable Set

PC-1
Cable length: 1m Fuse: 20A
*T type plug/with pressure terminal

PC-3
Cable length: 3m Fuse: 20A
*T type plug/with pressure terminal

Mast Bracket

S-1
Zinc diecast
Mast diameter accepted:30mm to 60mm
Max. antenna load must be less than 2m in total length and less than 1.0kg in total weight.



S-3
Stainless steel
Antenna diameter accepted:22mm to 40
Mast diameter accepted:40mm to 100mm
Max. antenna load must be less than 2m in total length and less than 1.0kg in total weight.
To install an antenna that is more than 2m in length or 1kg in weight, use two sets of the brackets in parallel.

Mast Base for Mobile Tire

TMB
Possible Mount Mast Diameter : φ25-50
Possible Mount Weight: 10kg
(including the mast weight)
Dimension: 185Wx535Lx420Hmm
Weight: 6.65kg

Stay Wires for Antenna Pole

FW-316
3mm stay wire 160m, turn buckles 12 pieces, wire clips 96 pieces

FW-312
3mm stay wire 120m, wire clips 36 pieces

Balcony Railing Bracket for Inatslling A Mobile Antenna

BK10
Bracket only
Mast diameter accepted:
25mm to 64mm
Square axis accepted:
Less than 64mm

BK45
Length: Less than 3.5m,
Weight: Less than 2kgs
Installation possibility pipe size
Circle pipe: φ22-φ62mm , Corner pipe: 62 x 50 mm
Pipe size: L type 450mm x 350mm φ32 (made of aluminum)
Weight: 700g

Window Through Cable Set

MGC50
Frequency: DC-1500MHz
Max. power rating: HF-50MHz 150W (SSB) / 50W(FM/CW)
144MHz 40W (FM), 430MHz 30W (FM), 1200MHz 10W (FM)
SWR: HF-500MHz Less than 1.2, 500 - 1000MHz Less than 1.3
More than 1000MHz Less than 20.3 (1200MHz: Less than 1.7)
Insertion loss: 144MHz Less than 0.3dB, 430MHz Less than 0.6dB, 1200MHz Less than 1.6dB
Impedance: 50Ω, Connector: MJ-MJ
Cable length: approx. 50cm (between connectors), Weight: 102g

Common Mode Filter

CMF2000
Frequency: 1 to 54MHz
Max. power rating: 2kW (SSB)
Common mode attenuation: More than -50dB (MAX)
Insertion loss: Less than 0.2dB
Impedance: 50Ω
VSWR: Less than 1.2
Length: 380mm
Weight: 650g
Connector: MJ (both sides)

CMF5000
Frequency: 1 to 54MHz
Max. power rating: 5kW (SSB)
Common mode attenuation: More than -50dB (MAX)
Insertion loss: Less than 0.2dB
Impedance: 50Ω
VSWR: Less than 1.2
Length: 415mm
Weight: 1,180g
Connector: MJ (both sides)

Speaker

P1010
Speaker:102mm 8Ω
With Noise Filter
With magnetic bracket
Mute switch (-8dB)
Max. input: 6w
Dimention:142Wx113Hx57Dmm

P810A
Built-in amplifier with volume control
Built-in noise filter
Speaker:77mm 8Ω
Power:DC13.8V Only for 12V battery cars
Max. input:6W
Dimensions:113Wx93Hx49Dmm
Cigar lighter plug, DC cable 3m with 3.5mm plug, and magnet bracket are included

P810
Buit-in noise filter switch and mute switch(-8dB) /
Speaker:77mm 8Ω
Max. input:6W /
Dimensions:113Wx93Hx43Dmm
Magnet bracket is included

P710
Speaker:57mm 8Ω
With Noise Filter
With magnetic bracket
Max. input: 3w
Dimention:85Wx75Hx43Dmm

P610
Speaker:57mm 80ohms
Max. input:5W
Dimensions:75Wx69Hx31Dmm
Magnet bracket and DC cable 3m with 3.5mm plug are included

Motor Drive Mount Base

※The K9000 can not be used without appropriate installation bracket.

K9000
The K9000 can not be used without appropriate installation bracket.

+

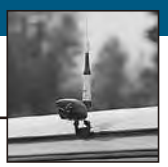
KRS
Roofside gutter mount bracket

KRR
Rooftop railing mount bracket

KLR
Rooftop railing mount bracket

KTH
Trunk lid/hatchback gate mount bracket

K3000
Strong Three-point Magnet Antenna Base



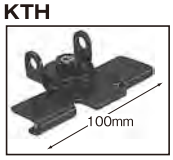
K9000
- Operation Voltage:DC13.8V(10 to 16V)
- Current consumed:0.95Amax(13.8V)
- Operation speed:Approx.4sec.(from 0 to 90 degrees)
- Operation angle:between 45 to 90 degrees
- Driving torque:More than 40kg/cm
- Max. antenna load:Less than 1.4m in total length,less than 350g

KRS

KRR

KLR

KTH



K3000

Accessory for Receiver

SS500 (SPLITTER/COMBINER)
0.5-500MHz
Isolation:More than 18db(0.5-3MHz),More than 30dB(3-200MHz),
More than 17dB(200-500MHz)
Insert loss:Less than 0.6dB(0.5-3MHz),
Less than 0.8dB(3-200MHz),
Less than 1.0dB(200-500MHz)
Dimension:46(W)×27(H)×57(D)mm / Weight:130g
Impedance:50Ω / Connector:M-J /
VSWR:Less than 2.0

DMAX50
Frequency: 0.5 to 1500MHz
Gain: 20dB (MAX) - -20dB (MIN)
Impedance: 50Ω, NF 3.5dB IP3 15dBm
Power supply: DC13.8V
Weight: 220g
Dimension: 86Wx25Hx64Dmm
Attachment: AC adapter,
cigar lighter plug,
magic tape, rubber cushions

Compact Magnet Antenna Base

MCR-Ⅱ
Universal joint structure
Coaxial cable:NL-1.5D-Q SUPER 2.5m
Impedance:50Ω
Connector:BNCJ-BNCP

MCR-Ⅱ SMA
Universal joint structure
Coaxial cable: NL-1.5D-Q SUPER 2.5m
Impedance: 50Ω
Connector: SMAJ-SMAP

MCR-M
Compact magnet antenna base for handheld transceiver antennas
Coaxial cable:NL-1.5D-Q SUPER 2.5m
Impedance:50Ω / Connector:BNCJ-BNCP / Magnet diameter:53mm

DP-MRX
Coaxial cable: RG58A/U 3m
Connctor: BNCJ-BNCP
Magnet diameter: 76.5mm

MCR-M SMA
Compact magnet antenna base for handheld transceiver antennas
Coaxial cable:NL-1.5D-Q SUPER 2.5m
Impedance:50Ω / Connector:SMAJ-SMAP / Magnet diameter:53mm

Accessory for Handheld Transceivers

DEH7M/K/S/V:Earphone
DEH 7M φ3.5 Single plug type for ICOM,YAESU,STANDARD,ALINCO
DEH 7K φ2.5 Single plug type for KENWOOD
DEH 7S φ3.5 4 Pole type (water proof),one plug for STANDARD
DEH 7V φ3.5 4 Pole type,one plug for ICOM,YAESU,STANDARD

Frequency range:100MHz to 2000MHz
In put Earphone:15mW(MAX)
Impedance: 32Ω / Cable lenght:1.5m(M/K),1.0m(S/V)

DEH17M/K/S/V:Earphone
DEH17M φ3.5 L-plug For ICOM, YAESU, STANDARD, ALINCO
DEH17K φ2.5 L-plug For KENWOOD
DEH17S φ3.5 4 poles straight plug, waterproof For STANDARD
DEH17V φ3.5 4 poles L-plug For ICOM, YAESU, STANDARD

Frequency range:20Hz to 3500Hz
In put Earphone:5mW (MAX)
Impedance:32Ω
Weight:20g Cable Length:1.0m

HE27M/K:Earphone
Earphone: Magnetic earphone Impedance: 32Ω
Frequency: 20Hz – 20kHz
Power: 4mW (Max) Weight: 6g
Code length: 75cm
Plug: HE27Mφ3.5 straight plug
HE27K φ2.5 straight plug

HE37:Earphone
Soft earplug type
For ICOM, YAESU, STANDARD / Frequency:20 to 4000Hz /
Power:500mW (Max) / Impedance:8Ω
Earphone:Magnetic earphone / Code: Twist type, approx.1m /
Connector:3.5mm straight plug

HE47M/K/P:Earphone
HE47M φ3.5 L plug for ICOM,YAESU,STANDARD,ALINCO
HE47K φ2.5 L plug for KENWOOD
HE47P φ3.5 Straight plug for (ICOM,YAESU,STANDARD)

Frequency range:20Hz to 4500Hz
In put Earphone:300mW(MAX) / Impedance: 8Ω /
Cable lenght:1.0m

HE57M/K/S/V:Earphone
HE57M φ3.5 1 plug type for ICOM, YAESU, STANDARD, ALINCO
HE57K φ2.5 1 plug type for KENWOOD
HE57S φ3.5 4 pole type, waterproof, one plug for STANDARD VX6/VX7
HE57V φ3.5 4 pole type, one plag for ICOM, YAESU, STANDARD

In-Put Earhone:80mW(MAX), Impedance:32Ω
Weight:20g, Cable Length:75cm

HE77M/K:Earphone
HE77M φ3.5 1plug type for ICOM, YAESU, STANDARD, ALINCO
HE77K φ2.5 1plug type for KENWOOD
Frequency: 300Hz-20KHz
In-put Earphone: 40mW (MAX), Impedance: 32Ω
Weight: 20g, Cable length: 1.1m (MAX)

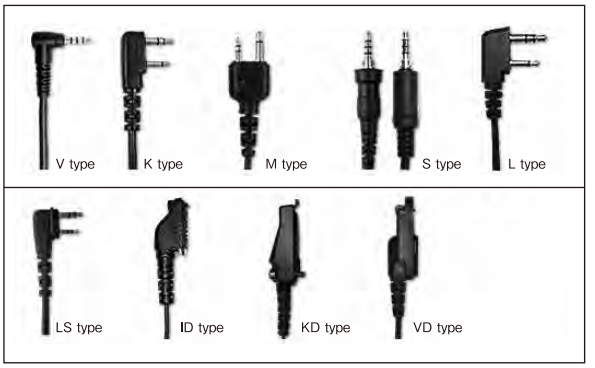
HE87M/K:Earphone
HE77M φ3.5, 2 plugs for ICOM, STANDARD, YAESU, ALINCO
HE77K φ2.5, 2 plugs for KENWOOD
Weight:20g / Code length:50cm (Max)
Frequency:300Hz-20KHz, IN-PUT earphone:80mW (Max)
Impedance:32Ω

MS800M/K/S/ID/L/LS/KD/VD:Speaker Microphone
MS800M 2 plugs straight type for ICOM, STANDARD, ALINCO
MS800K 2 plugs L type for KENWOOD
MS800S 1 plug waterproof for STANDARD, ALINCO
MS800ID Special plug for ICOM
MS800L 2 plugs L type for ICOM
MS800LS 2 plugs L type slim for ICOM
MS800KD Special plug for KENWOOD
MS800VD Special plug for STANDARD, YAESU
In-Put Speaker: 500mW (MAX) 8Ω
Microphone: ECM TYPE, 2.2kΩ
Microphone Sensibility: -40±2dB
Cable length: approx. 2.0m, Weight: 105g

MS900WID/KD/VD/S:Speaker Microphone
MS900WID Special plug for ICOM IC-DPR5
MS900WKD Special plug for KENWOOD TPZ-D503
MS900WVD Special plug for VERTEX STANDARD VXD-10
MS900WS 1 plug waterproof for STANDARD, ALINCO
Weight:150g
Speaker-PUT: 1W (Max)
Impedance: 8Ω
Microphone: 2.2kΩ ECM type
Microphone sensibility: -40±2dB
Code length: 1.5m (Max)
Remarks: Waterproof type

EM15M/K/S/L/ID:Earphone Microphone
EM15M 2 plugs straight type for ICOM, STANDARD, ALINCO
EM15K 2 plugs L type for KENWOOD
EM15S 1 plug waterproof for STANDARD, ALINCO
EM15L 2 plugs L type for ICOM
EM15ID Special plug for ICOM

EM/MS Series plug

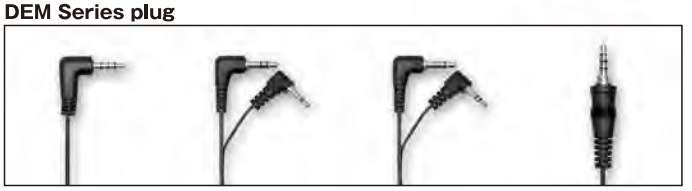


V type
φ3.5
4poles
K type
Speaker:φ2.5
Microphone:φ3.5
M type
Speaker:φ3.5
Microphone:φ2.5
S type
φ3.5
4poles
L type
Speaker:φ3.5
Microphone:φ2.5
LS type
Speaker:φ3.5
Microphone:φ2.5
ID type
specilal plug
KD type
specilal plug
VD type
specilal plug

DEM20M/K/V/S:Earphone Microphone
DEM20M 2 plugs type for ICOM, YAESU, STANDARD, KENWOOD
DEM20K 2 plugs type for KENWOOD
DEM20V 1 plug type for ICOM, YAESU, STANDARD
DEM20S 1 plug type (water proof) for STANDARD

Buit-in PTT locking mechanism / Direction free clip
Impedance:32Ω / Microphone:2.2kohms ECM
Earphone input:5mW (MAX) / Weight:34g /
Cable length:Approx. 1.0m

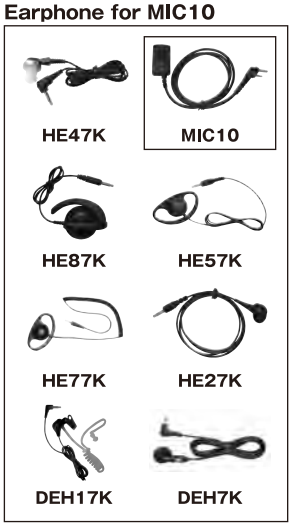
DEM Series plug



V type
φ3.5
4poles
K type
Speaker:φ2.5
Microphone:φ3.5
M type
Speaker:φ3.5
Microphone:φ2.5
S type
φ3.5
4poles

MIC10M/K/S/LS/ID/KD/VD
Microphone: 2.2kΩ ECM type
Microphone sensibility: -32±3dB
Weight: 40g
Code length: 85cm
with earphone Jack φ2.5, 2poles
Recomended earphone Impedance:32Ω
MIC10M Speaker φ3.5, Microphone φ2.5
MIC10K Speaker φ2.5, Microphone φ3.5
MIC10S φ3.5 4 poles straight plug waterproof
MIC10LS L type Speaker φ3.5, Microphone φ2.5
MIC10ID Digital convenience radio for ICOM
MIC10KD Digital convenience radio for KENWOOD
MIC10VD Digital convenience radio for YAESU

Earphone for MIC10



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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