

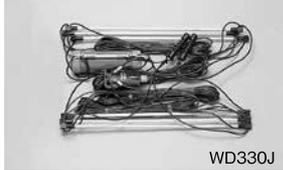
# Commercial antennas

## HF Dipole Antenna

## BB series



WD330



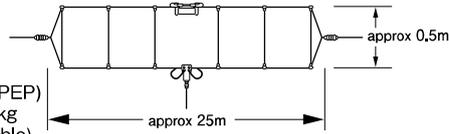
WD330J



### WD330

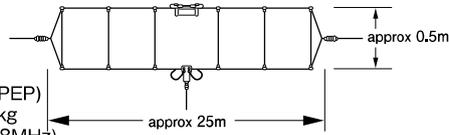
2 to 30MHz  
Max. power rating:150W(PEP)  
Length:25m / Weight:3.1kg  
(except coaxial cable)

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

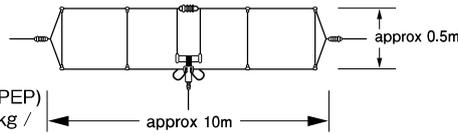
2 to 30MHz  
Max. power rating:150W(PEP)  
Length:25m / Weight:3.1kg  
VSWR:Less than 2.0(2-18MHz)  
Less than3.0(18-30MHz)



### 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 HF Wide Band Wire Antenna

2-30MHz

### 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 lightning.

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