

SUMMER 2012

*Life is a JOURNEY.  
Enjoy the ride!*

**COMET**<sup>TM</sup>



**COMET**



This catalog represents the absolute latest, and most diverse Multi-band Antennas available to the modern Amateur Radio Operator. We're confident you will find our antennas and accessories will enable you to enjoy Amateur Radio to its fullest.

COMET developed the Super Linear Converter (SLC) to increase the actual gain of dual/tri-band antennas.



- 1) A completely pre-formed phasing coil and phosphorous copper element eliminates additional components, and gain loss. (Photo A)
- 2) COMET sectional antennas use threaded ABS (transparent to RF) connecting joints for the finest radiation pattern and easiest assembly. (Photo B, C)

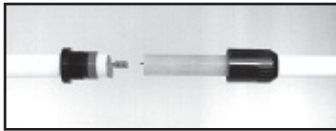
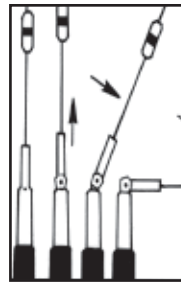


PHOTO B



PHOTO C

- 3) The SLC is electrically very efficient, providing a low angle of radiation directly to the horizon, for maximum performance.



### Fold-Over Feature

Most Comet antennas over 29" length have this feature built into the antenna.

Shorter antennas: Pull up on the element, the hinge comes up out of the socket and the hinge is exposed.

Taller antennas:

A threaded collar locks the hinge in place. Unscrew the collar to expose the hinge.

Use the fold-over to enter garages, drive-thru restaurants, etc. Do not drive with the antenna folded over.



Indicates Fold-Over Feature

## LOW POWER FM BROADCAST ANTENNAS



### CFM-95SL

88-108MHz Tunable Antenna  
**Gain:** 3.4dBi  
**Band-width:** 4MHz after tuning  
**VSWR:** 1.5:1 or less  
**Max Power:** 200 watts  
**Height:** 5' 6" min (88MHz)  
 7' 8" max (108MHz)  
**Weight:** 2 lbs 7 oz  
**Connector:** SO-239



### CD-95Y

88-108MHz Directional Antenna  
**Gain:** 7-8dBi  
**Elements:** 6  
**Polarization:** V or H  
**F/B ratio:** 15dB avg  
 -3dB E-Beamwidth: 60-70 deg  
 -3dB H-Beamwidth: 110-120 deg  
**VSWR:** 1.5:1 or less  
**Max Power:** 500 watts  
**Boom Length:** 45"  
**Weight:** 7 lbs 7 oz.  
**Mounting Mast Dia:** 1.5 - 2"  
**Connector:** N-Female

## TRI-BAND BASE AND REPEATER ANTENNAS



### GP-15

Tri-Band 52/146/446MHz  
**Gain & Wave:**  
 52MHz 3.0dBi 5/8 wave  
 146MHz 6.2dBi 5/8 wave x 2  
 446MHz 8.6dBi 5/8 wave x 4  
**VSWR:** 1.5:1 or less  
**Max Power:** 150 watts  
**Length:** 7' 11"  
**Weight:** 3 lbs. 1 oz.  
**Connector:** SO-239  
**Construction:** Heavy-duty fiberglass, single piece  
**6M Tuning Radial:** 6M band-width is 2.5MHz approx after tuning



### CX-333

Tri-Band 146/220/446MHz  
**Gain & Wave:**  
 146MHz 6.5dBi 5/8 wave x 2  
 222MHz 7.8dBi 5/8 wave x 3  
 446MHz 9.0dBi 5/8 wave x 5  
**VSWR:** 1.5:1 or less  
 144.5-147.5MHz  
 222-225MHz  
 440-450MHz  
**Max Power:** 120 watts  
**Length:** 10' 4"  
**Weight:** 3 lbs. 8 ozs.  
**Connector:** SO-239  
**Construction:** Heavy-duty fiberglass, 2 sections



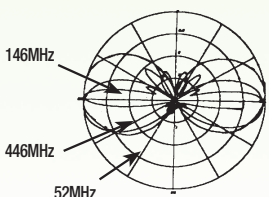
### GP-98

Tri-Band 146/446/1200MHz  
**Gain & Wave:**  
 146MHz 6.5dBi 5/8 wave x 2  
 446MHz 9.0dBi 5/8 wave x 5  
 1200MHz 13.5dBi 5/8 wave x 12  
**VSWR:** 1.5:1 or less  
**Max Power:** 150W(100W 1.2GHz)  
**Length:** 9' 8"  
**Weight:** 3 lbs.  
**Connector:** N-Type  
**Construction:** Heavy-duty fiberglass, 2 sections

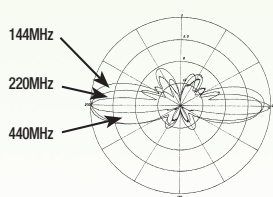


### GP-95

Tri-Band 146/446/1200MHz  
**Gain and Wave:**  
 146MHz 6.0dBi 5/8 wave x 2  
 446MHz 8.6dBi 5/8 wave x 4  
 1200MHz 12.8dBi 5/8 wave x 9  
**VSWR:** 1.5:1 or less  
**Max Power:** 100W FM/200W SSB  
**Length:** 8'  
**Weight:** 2 lbs. 10 ozs.  
**Connector:** N-female  
**Construction:** One-piece white fiberglass



Elevation Pattern GP-15



CX-333 Elevation Pattern

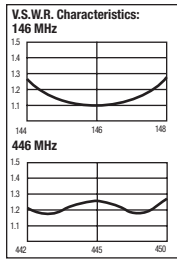
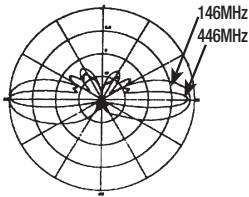
# DUAL-BAND BASE AND REPEATER ANTENNAS



## GP-6

DualBand 146/446MHz  
**Gain & Wave:**  
 146MHz 6.5dBi  $\frac{5}{8}$  wave x 2  
 446MHz 9.0dBi  $\frac{5}{8}$  wave x 5  
**VSWR:** 1.5:1 or less  
**Max Power:** 200 watts  
**Length:** 10' 2"  
**Weight:** 3 lbs. 8 oz.  
**Connector:** SO-239  
**Construction:** Heavy-duty fiberglass, 2 sections

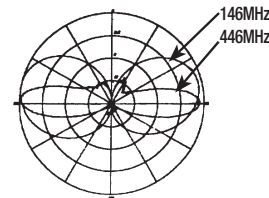
### Elevation Pattern GP-6



## GP-3

DualBand 146/446MHz  
**Gain:**  
 146MHz 4.5dBi  
 446MHz 7.2dBi  
**VSWR:** 1.5:1 or less  
**Max Power:** 200 watts  
**Length:** 5' 11"  
**Weight:** 2 lbs. 12 oz.  
**Mounting Mast Diameter:** 1½"-2¼"  
**Connector:** SO-239  
**Construction:** One-piece white fiberglass

### Elevation Pattern GP-3



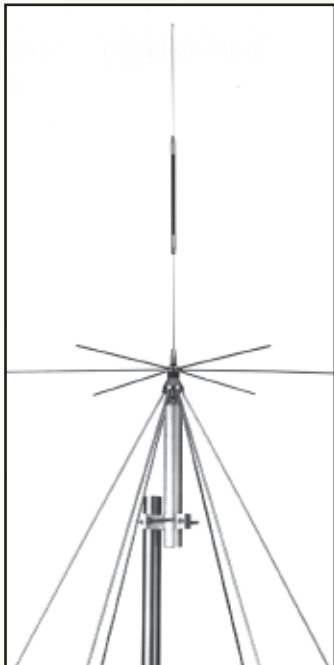
GP-3 being used on a recent Mt. Cho Oyu/ Mt. Everest Expedition



## GP-1

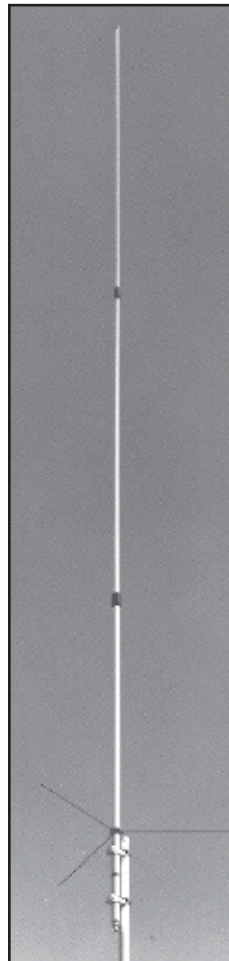
Dualband 146/446MHz  
**Gain and Wave:**  
 146MHz 3.0dBi  $\frac{1}{2}$  wave x 2  
 446MHz 6.0dBi  $\frac{5}{8}$  wave x 2  
**VSWR:** 1.5:1 or less  
**Max Power:** 200W  
**Length:** 4' 2"  
**Weight:** 2 lbs  
**Mounting Mast Diameter:** 1¼" - 2½"  
**Connector:** SO-239  
**Construction:** One-piece white fiberglass

# DISCONE ANTENNA



## DS-150S

Extremely wideband Scanner/Receive antenna.  
 Includes 65 feet of RG-58A/U coax with PL-259 connectors installed.  
**RX:** 25-1300MHz  
**TX:** 6M / 2M / 440 / 900 / 1200MHz  
**Length:** 4' 8"  
**Max Power:** 100 watts  
**Weight:** 3lbs. 3oz. (without coax)  
**Connector:** SO-239



## GP-9

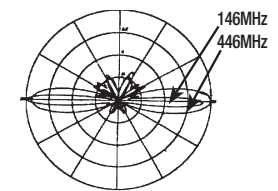
COMET'S best selling 2M/70cm Fixed-Station Antenna.

Featuring the COMET exclusive SLC System for maximum gain, and stable resonant frequencies. Wide band, and like all COMET Antennas, pre-tuned. Heavy-duty fiberglass and a compression washer within the ABS connecting joint prevents moisture/pollution contamination. Simply use the included stainless steel mounting brackets and your mast, and you're ready to experience incredible COMET DualBand performance!

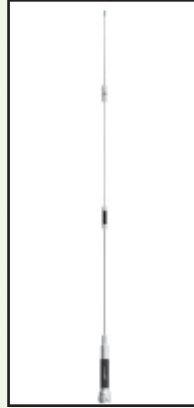
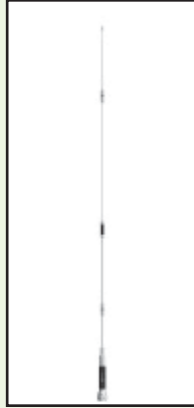
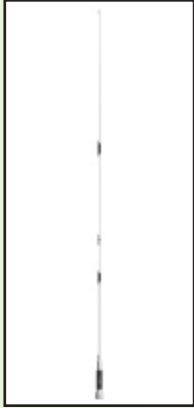
### GP-9 (with SO-239 Conn) GP-9N (with N-Conn)

DualBand 146/446MHz  
**Gain & Wave:**  
 146MHz 8.5dBi  $\frac{5}{8}$  wave x 3  
 446MHz 11.9dBi  $\frac{5}{8}$  wave x 8  
**VSWR:** 1.5:1 or less  
**Max Power:** 200 watts  
**Length:** 16' 9"  
**Weight:** 5 lbs. 11 oz.  
**Mounting to Mast Size:** 1 ¼"-2 ½"  
**Connector:** SO-239 or Female N-type  
**Construction:** Heavy-duty fiberglass, 3 sections

### Elevation Pattern GP-9




# DUAL-BAND MOBILE ANTENNAS




## COMET SUPER BEAM COMET'S NEWEST MOBILE ANTENNAS! HEAVY-DUTY, BROAD-BAND, HIGH-POWER!


### CSB-790A

Dualband 146/446MHz  
**Gain & Wave:**  
 146MHz: 5.1dBi   
 7/8 wave center load x 2  
 446MHz: 7.7dBi  
 5/8 wave x 3  
**VSWR:** 1.5:1 or less  
**Max Power:** 150W  
**Length:** 62"  
**Connector:** Gold Plated PL-259

### CSB-770A

Dualband 146/446MHz  
**Gain & Wave:**  
 146MHz: 4.4dBi   
 5/8 wave, center load x 2  
 446MHz: 6.9dBi  
 5/8 wave x 2, center load  
**VSWR:** 1.5:1 or less  
**Max Power:** 150W  
**Length:** 51"  
**Connector:** Gold Plated PL-259

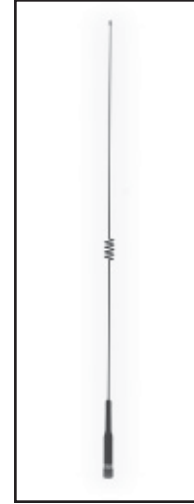
### CSB-750A

Dualband 146/446MHz  
**Gain & Wave:**  
 146MHz: 3.6dBi   
 1/2 wave center load  
 446MHz: 6.1dBi  
 5/8 wave x 2, center load  
**VSWR:** 1.5:1 or less  
**Max Power:** 150W  
**Length:** 42"  
**Connector:** Gold Plated PL-259



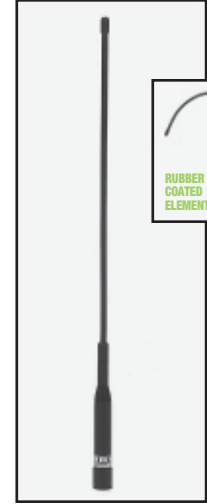
### SBB-7 / SBB-7NMO

DualBand 146/446MHz  
**Gain & Wave:**  
 146MHz 4.5dBi 5/8 wave  
 center-load  
 446MHz 7.2dBi  
 5/8 wave x 3  
**VSWR:** 1.5:1 or less  
**Max Power:** 70W FM  
**Length:** 55"  
**Connector:** Gold-Plated PL-259 or NMO Style



### SBB-5 / SBB-5NMO

DualBand 146/446MHz  
**Gain & Wave:**  
 146MHz 3.0dBi 1/2 wave  
 446MHz 5.5dBi  
 5/8 wave x 2  
**VSWR:** 1.5:1 or less  
**Max Power:** 120W FM  
**Length:** 38"  
**Connector:** Gold-Plated PL-259 or NMO Style



### SBB-1 / SBB-1NMO

Flexible DualBand 146/446MHz  
**Gain & Wave:**  
 146MHz 1.5dBi 1/4 wave  
 446MHz 2.15dBi 1/2 wave  
**VSWR:** 1.5:1 or less  
**Max Power:** 60 watts  
**Length:** 16"  
**Connector:** Gold-Plated PL-259 or NMO style

4



Need a durable antenna to resist damage from brushes with tree branches, garage doors, etc...? The SS Series antennas were designed with you in mind! A spring in the base and spring steel element allows the antenna to flex rather than break for increased impact survival.

### SS-460SB SS-460SBNMO

Dualband 146/446MHz spring antenna  
**Gain & Wave:**  
 146MHz 1.5dBi  
 1/4 wave  
 446MHz 4.15dBi  
 1/2 wave  
**VSWR:** 1.5:1 or less  
**Max Power:** 60W  
**Length:** 18"  
**Connector:** Gold-plated PL-259 or NMO

### SS-680SB SS-680SBNMO

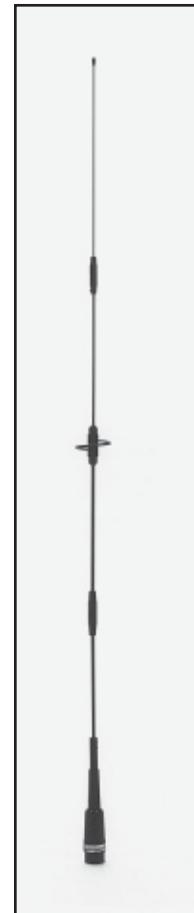
Dualband 146/446MHz spring antenna  
**Gain & Wave:**  
 146MHz 2.15dBi  
 1/2 wave  
 446MHz 5.0dBi  
 5/8 wave  
**VSWR:** 1.5:1 or less  
**Max Power:** 80W  
**Length:** 27"  
**Connector:** Gold-plated PL-259 or NMO




NEW

### M-24M (w/PL-259) M-24B (w/BNC) M-24S (w/SMA) \*M-24SJ (w/SMA-female)

Fits directly to HTs using an SMA-male connector  
 146/446 MHz DualBand  
 Mag-Mount Antenna  
**Gain & Wave:**  
 146MHz 1.7dBi 3/8 wave  
 446MHz 4.1dBi 1/4 + 5/8 wave  
**VSWR:** 1.5:1 or less  
**Max Power:** 80 watts  
**Length:** 19.5"  
**Coax:** RG-58A/U, 12"  
 \*Coax attaches directly to HT's with an SMA-male connector



### CA-2x4SR CA-2x4SRNMO

Wideband TX/RX antenna  
 140-160MHz   
 435-465MHz  
**Gain & Wave:**  
 146MHz 3.8dBi 5/8 wave  
 446MHz 6.2dBi  
 5/8 wave x 3  
**VSWR:** 1.5:1 or less  
 140-160MHz  
 435-465MHz  
**Max Power:** 150 watts  
**Length:** 40"  
**Connector:** PL-259 or NMO Style  
 High gain and wide TX range for use across the ham bands and frequencies out of the ham bands. Commonly used to assist Search and Rescue Teams communicating on various VHF and UHF frequencies.



## DUAL-BAND HT ANTENNAS



### HP-32FHN

Heavy Duty/High Power  
Dualband 146/446MHz

#### Gain & Wave:

146MHz 3.0dBi 1/2 wave  
446MHz 5.5dBi 5/8 wave x 2

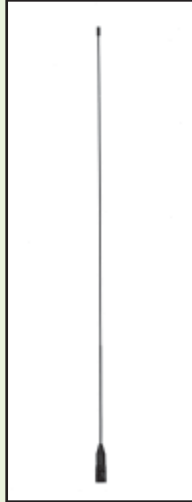
**VSWR:** 1.5:1 or less

**Max Power:** 350/250W

**Length:** 38"

**Connector:** PL-259

Heavy-duty antenna recommended by the charity driven MARC (Motorcycling Amateur Radio Club) co-founder Ray Davis (KD6FHN) for motorcycles and OTR trucks.



### BNC-24

146/446MHz HT Antenna  
Super flexible and lightweight

#### Gain & Wave:

146MHz 2.15dBi 1/4 wave  
446MHz 3.5dBi 5/8 wave

**Max Power:** 20 watts

**Length:** 17"

**Connector:** BNC



### SMA-24

146/446MHz HT Antenna  
Super flexible and lightweight

#### Gain & Wave:

146MHz 2.15dBi 1/4 wave  
446MHz 3.5dBi 5/8 wave

**Max Power:** 20 watts

**Length:** 17"

**Connector:** SMA



### SMA-503

146/446MHz HT Antenna

#### Gain & Wave:

146MHz 1/4 wave  
446MHz 5/8 wave

**Max Power:** 10 watts

**Length:** 8.5"

**Connector:** SMA



### MH-209/MH-209SMA

146/446 HT Antenna

#### Gain & Wave:

0dBi 1/4 wave

**VSWR:** 2.1 or less

**Max Power:** 5 watts

**Length:** 3"

**Connector:** MH-209 BNC

MH-209SMA SMA



### CH-32

(with BNC Conn)  
SMA-501

(with SMA Conn)

Miracle Baby 146/446MHz

Compact Design, surprising performance!

**Gain & Wave:** 0dBi 1/4 wave

**Max Power:** 10 watts

**Length:** 1.75"

**Connector:** BNC or SMA



### SBB-2/SBB-2NMO

DualBand 146/446MHz

#### Gain & Wave:

146MHz 2.15dBi 1/4 wave  
446MHz 3.8dBi 5/8 wave

**VSWR:** 1.5:1 or less

**Max Power:** 100 watts

**Length:** 18"

**Connector:** Gold-Plated  
PL-259 or NMO Style



### B-10/B-10NMO

DualBand 146/446MHz

#### Gain & Wave:

146MHz -dBi 1/4 wave  
446MHz 2.15dBi 1/2 wave

**VSWR:** 1.5:1 or less

**Max Power:** 50 watts

**Length:** 12"

**Connector:** PL-259 or  
NMO Style

**Construction:** Black,  
cellular look-a-like



### SMA-24J

146/446MHz HT Antenna

Super flexible and  
lightweight

#### Gain & Wave:

146MHz 2.15dBi 1/4 wave

446MHz 3.5dBi 5/8 wave

**Max Power:** 20 watts

**Length:** 17"

**Connector:** SMA-female



### SMA-503J

146/446MHz HT Antenna

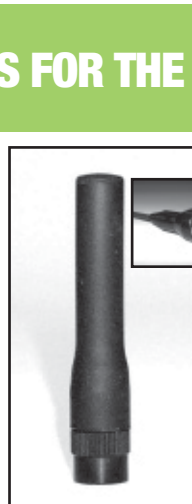
#### Gain & Wave:

146MHz 1/4 wave  
446MHz 5/8 wave

**Max Power:** 10 watts

**Length:** 8.5"

**Connector:** SMA-female



### SMA-209J

146/446 HT Antenna

#### Gain & Wave:

0dBi 1/4 wave

**VSWR:** 2.1 or less

**Max Power:** 5 watts

**Length:** 3"

**Connector:** SMA-female

## DUAL-BAND ANTENNAS FOR THE CHINESE HTs

## TRI-BAND HT ANTENNAS



### HT-224

146/220/446MHz  
HT Antenna

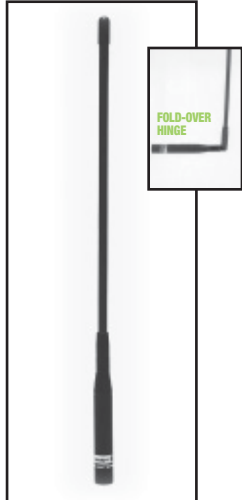
#### Gain & Wave:

146MHz 1.3dBi ¼ wave  
220MHz 1.4dBi ½ wave  
446MHz 1.8dBi ⅝ wave

Max Power: 10 watts

Length: 11"

Connector: SMA



### SMA-3

146/446/900MHz HT Antenna  
Wide Band Receive/  
Scanner Use

Gain: 146MHz 1.2dBi  
446MHz 1.7dBi  
900MHz 3.4dBi

VSWR: 2:1 or less

Max Power: 10 watts

Length: 9.75"

Connector: Male SMA



### SMA-703

146/446/1200MHz  
HT Antenna

#### Gain & Wave:

146MHz 0dBi ¼ wave  
446MHz 0dBi ¼ wave  
1200MHz 3.4dBi ⅝ wave

Max Power: 10 watts

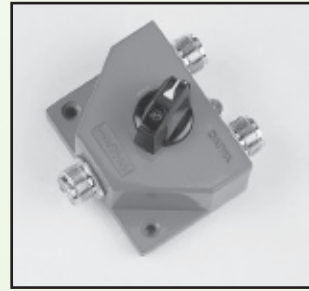
Length: 6.5"

Connector: SMA



## DAIWA COAX SWITCHES

Professionally engineered Multi-cavity Heavy-duty diecast metal  
Patented feature: Unused circuits are automatically grounded



### CS-201A

### CS-201GII

MODEL	CS-201a	CS-201GII
Frequency Range (up to)	600MHz	2 GHz
Power Rating:	2.5 kW PEP 1 kW CW	1.5 kW CW (up to 30 MHz) 250 W CW (up to 1 GHz) 150W CW (up to 2 GHz)
VSWR	below 0.12	below 1:1.3 at 1.3 GHz
Insertion Loss	less than 0.2 dB	less than 1.2 dB at 1.2 GHz
Isolation	60 dB 600 MHz	50 dB 1 GHz
Connector	SO 239	Gold Plated N
Output Port	2	2

## TRI-BAND MOBILE ANTENNAS



### SBB-224/ SBB-224NMO

Tri-Band Mobile Antenna  
146/220/446MHz

#### Gain & Wave:

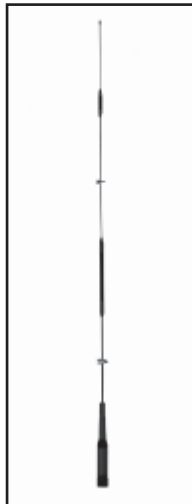
146MHz 2.15dBi ¼ wave  
220MHz 3.5dBi ⅝ wave  
446MHz 6.0dBi ⅝ wave x 2

VSWR: 1.5:1 or less

Max Power: 100 watts

Length: 36"

Connector: Gold-Plated  
PL-259 or NMO Style



### SBB-97

Tri-Band Mobile Antenna  
146/446/1200MHz

#### Gain & Wave:

146MHz 3dBi ½ wave  
446MHz 6.8dBi ⅝ wave x 2  
1200MHz 9.6dBi ⅝ wave x 5

VSWR: 1.5:1 or less

Max Power: 60W  
(30W 1.2GHz)

Length: 39"

Connector: N-Type



### SBB-94

Tri-Band Mobile Antenna  
146/446/1200MHz

#### Gain & Wave:

146MHz 1.5dBi ¼ wave  
446MHz 5.1dBi 8/9 wave  
1200MHz 7.2dBi  
⅝ wave x 3

VSWR: 1.5:1 or less

Max Power: 60W  
(30W 1.2GHz)

Length: 24"

Connector: N-Type



### SBB-15

Tri-Band Mobile Antenna  
50/146/446MHz

#### Gain & Wave:

52MHz 2.15dBi ¼ wave  
146MHz 4.5dBi ⅝ wave  
center-loaded  
446MHz 7.2dBi ⅝ wave x 3

VSWR: 1.5:1 or less

Max Power: 120 watts FM

Length: 61"

Connector: PL-259



### SBB-14 / SBB-14NMO

Tri-Band Mobile Antenna  
50/146/446MHz

#### Gain & Wave:

52MHz 0dBi ¼ wave  
146MHz 3.5dBi ½ wave  
446 MHz 6.0dBi ⅝ wave x 2

VSWR: 1.5:1 or less

Max Power: 120 watts FM

Length: 43"

Connector: PL-259 or NMO  
connector



## DAIWA POWER METERS

Cross-Needle SWR/Power meters from DAIWA, the company that developed the technology. Read forward power, reflected power and SWR simultaneously. Very accurate and easy to use.



### CN-100 SERIES

- Economy series bench meter
- Cross needle meter display
- High performance at an economy price
- LED lighted, DC jack on back panel
- Rubber edge guards included

MODEL	CN-101	CN-103M/N
Frequency	1.8-150MHz	140-525MHz
Power Range: Forward	15/150/1.5 kW	20/200 W
Power Rating	1.5 kW (1.8-60MHz) 1 kW (144MHz)	200 W (140-525MHz)
Tolerance	+/- 10% (at full scale)	
SWR Detection Sensitivity	4 W min	
Input/Output Impedance	50 OHM	
Input/Output Connectors	SO-239	SO-239/N Type
Dimensions & Weight	5" x 3" x 4"/1lb. 8ozs.	



### CN-800 Professional Series

- Professional series bench meter
- Large, easy to read cross needle meter display
- Mirrored scale in .5W increments eliminates parallax errors
- LED lighted, DC jack on back panel with on/off switch
- Rubber edge guards included

Model	HP Type	HP2 Type	LJ Type	G Type	GII Type	SII Type
Frequency	1.8-200MHz	140-525MHz	900-1300MHz	2200-2450MHz	900-2500MHz	
Power Range: Forward	20/200/2kW	30/300/3KW	20/200W	2/20W	0.2/2W	0.2/2/20w
Tolerance	±10% at full scale					
SWR Measurement	1:1 ~ ∞					
SWR Detection Sensitivity	5 W min		0.4 W		0.1 W	
Input/Output Impedance	50 ohms					
Input/Output Connectors	M Type (so-239)		M or N Type		N Type	
DC Power Supply	× DC13.8V (70mA)					
Dimensions & Weight	157(W) X 117(H) X 117(D) mm Approx 1Kg					

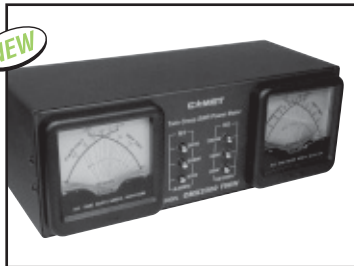
× Add 15% of full scale at 160-200 MHz, Power Rating MAX 1kw(144MHz)  
 × HP type, HP2 type, GII type, SII type : DC Power (13.8v) is necessary to operate.  
 × Meter light : ON/OFF Can be switched by light switch.



### CAA-500

Frequency range: 1.8-500MHz  
 Functions: SWR and Impedance

Measures and displays SWR and impedance without the need for a separate transmitter and SWR bridge. Highly accurate analog meter displays SWR and impedance in real time, continuously, as you sweep the selected frequency range. Seven frequency ranges from 1-8MHz to 500MHz including the 222MHz band! Thumb wheel frequency adjustment effortlessly sweeps the chosen operating range. Two antenna connectors: SO-239 for 1.8-255MHz and N-female for 300-500MHz. Operates 12-14 hours with six AA internal batteries (with low battery indicator) or from external 8-16VDC 180mA power source • Impedance: 12.5-300 Ohms • VSWR: 1.1:1 to infinity • Digital readout accurate to 1 kHz • The primary tool for any antenna adjustment, diagnostic or building project!



### CMX-2300

Twin SWR Cross-Needle Meters

High-power HF-VHF meter and low power VHF-UHF meter combined in one case, lighted

	M1 band	M2 band
Frequency range	1.8-200MHz	140-525MHz
Power measurement area	0-3KW(HF), 0-1KW(VHF)	0-200W
Power measurement range	30/300/3KW	20/50/200W
Power measurement accuracy	±10% (In full scale)	
SWR measurement area	1.0-∞	
Impedance	50Ω	
VSWR	1.2 or less	
Insertion loss	0.2dB or less	
Minimum power for SWR measurement	Approx. 6W	
Connector	SO-239(M-J)	
Power supply for illuminating lamps	DC11-15V Approx.450mA (Center-Pin positive)	
Dimension	(W) 250 x (H) 93 (98) x (D) 110 (135)	
(Parenthetic number includes protrusions)		
Weight	Approx. 1540g	



## DAIWA SWITCHING POWER SUPPLY

Daiwa engineers have succeeded in making a switching supply without the noise associated with switching supplies. Any switching noise has been isolated away from the amateur radio bands!



### SS-330V

30 Amp Switching Power Supply  
 30 amp continuous, 33 amp peak  
 Input Voltage: 100-117V  
 (220-240V user capable modification)  
 Output Voltage Adjustable:  
 5-15V  
 Dual Meters, Voltage and Amp

Protection: Cut off at 34 amps  
 Built in automatic quiet fan  
 Binding posts on front panel  
 Light Weight: ONLY 4lbs 4ozs  
 Dimensions: 5"x 4"x 11" approx  
 Carry Handle and Rubber Edge Guards Included



### SS-50V

50 Amp Switching Power Supply  
 50 amp continuous, 55 amp peak  
 50 amps available at all DC output voltages  
 Input Voltage: 100-117V (220-240V user capable modification)  
 Output Voltage Adjustable: 5-15V  
 Dual purpose amp/voltage meter

Protection: Cut off at 56 Amps  
 Fan: Automatic, extremely quiet fan  
 Voltage Fluctuation: Less than 1.5%  
 Ripple Voltage: Less than 5mV  
 Conversion Ratio: 84% at 35 amps  
 Power Consumption: 920W

Light Weight: ONLY 8lbs 4ozs  
 Binding posts on back panel.  
 Lighter socket (10A max) on front panel. Two sets of spring loaded connectors (6A max each) on front panel.  
 Dimensions: 9" 5"x 12.5" approx  
 Carry handle and rubber edge guards included

## MULTI-BAND HF MOBILE ANTENNA

For use with the  
FT-100/  
IC-706MKIIG/  
FT-847/etc.



### UHV-6

The UHV-6 is popular for a number of reasons:

- It is very easy to mount, usually to an existing SO-239 type mount (Heavy Duty)
- It is small, compact, economical, and includes a fold-over hinge.
- The user defines the configuration. Without any coils added, it's a 6/2m/70cm tribander. You add the HF coils (40/15/10m are included) that you want to operate. It is designed to hold up to three of the smaller HF coils. Add the 80M coil by itself to keep the weight below its designed capacity. When stationary, all the coils can be added

• Typical 2:1 bandwidth

40M	17kHz	20M	25kHz
15M	125kHz	10M	750kHz
6M	3MHz		



### UHV-6

HF/VHF/UHF Mobile Antenna

**Gain & Wave:**

50 MHz	0dBi	1/4 wave
146MHz	2.15dBi	1/2 wave
446MHz	5.5dBi	5/8 wave x 2

HF bands are 1/4 waves, no gain

**VSWR:** >50 MHz 1.5:1 or less  
<50 MHz 2:1 or less

**Max Power:** >50MHz 200W SSB/100W FM  
<50MHz 120 W SSB

**Weight:** 14-19 ozs

**Length:** 48" (min) 76" (max)

**Connector:** PL-259



### OPTIONAL HF COILS FOR UHV-6

L-3.5 80 meter coil L-18 17 meter coil  
L-14 20 meter coil



### UHV-4

QuadBand  
Mobile Antenna,  
Tunable on 10M & 6M!

**Gain & Wave:**

10/6M:	1/4 wave	0 dBi
146MHz:	1/2 wave	2.15dBi
446MHz:	5/8 wave x 2	5.5dBi

**VSWR:** 1.5:1 or less

**Max Power:**

10M	120W SSB
6M	200W/100W FM
2M -70cm:	100W FM

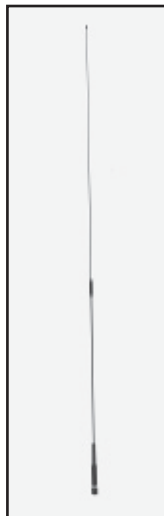
**Length:** 54" (approx)

**Weight:** 1' 6"

**Connector:** PL-259



## SINGLE-BAND MOBILE ANTENNAS



### SBB-25 / SBB-25NMO

144-148MHz



**Gain & Wave:**

4.1dBi 5/8 wave

**VSWR:** 1.5:1 or less

**Max Power:** 200W SSB

**Length:** 57"

**Connector:** Gold-Plated  
PL-259 or NMO Style



### SBB-123

1260-1300MHz



**Gain & Wave:**

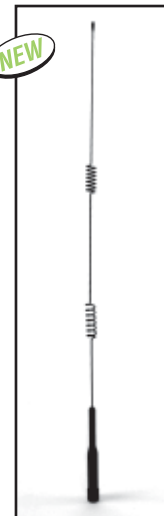
7.2dBi 5/8 wave x 3

**VSWR:** 1.5:1 or less

**Max Power:** 50 watts

**Length:** 24"

**Connector:** N-Type



### TA-3

902-928MHz

**Gain & Wave:**

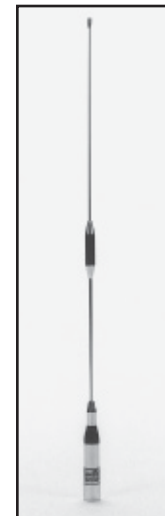
6.5dBi 5/8 wave x 3

**VSWR:** 1.5:1 or less

**Max Power:** 50W

**Length:** 26"

**Connector:** N-Type



### R-2000

902-928MHz

**Gain & Wave:**

5.1dBi 5/8 wave x 2

**VSWR:** 1.5:1 or less

**Max Power:** 50 watts

**Length:** 19"

**Connector:** N-Type

## SCANNER ANTENNAS



FOLD-OVER  
HINGE

### BNC-W100RX (BNC Conn) SMA-W100RX (SMA Conn)

Super wideband scanner antenna  
Double pivoting telescoping element

**RX Range:** 25-1300MHz

**Length, collapsed:** 8.25"

**Length, extended:** 40"



# SINGLE-BAND BASE AND REPEATER ANTENNAS



## CYA-1216E

16 Element Yagi Beam 1240-1300MHz

Gain: 16.6dBi

VSWR: 1.5:1 or less

Max Power: 100 watts

Polarization: Vertical or Horizontal

Length: 4' 5"

Weight: 2 lbs. 11 ozs.

Mounting Mast Diameter: 1 1/4 - 2 1/2"

Connector: N-Type

Construction: Aluminum, pre-assembled



## CA-SUPER22

Mono Band 220MHz antenna

Gain and wave: 6.6dBi

5/8 wave x 2

VSWR: 1.3:1 or less

Max Power: 150 watts

Length: 8'

Weight: 2 lbs. 13 ozs.

Mounting Mast Diameter:

1 1/4 - 2 1/2"

Connector: SO-239

Construction: One piece fiberglass



## CA-F22GF/CA-F22GFN

VHF Base Antenna w/Cutting Chart.

User tunable for operation between 136-175MHz. After tuning, 4MHz Bandwidth.

Gain: 5.5dBi

VSWR: 1.5:1 or less

Max Power: 150 watts

Length: 8' 10" Weight: 2 lbs.

Mounting Mast Diameter:

1 1/4 - 2 1/2"

Connector: CA-F22GF-SO-239

CA-F22GFN - N-Female

Construction: Two-piece fiberglass



## CA-F72GF

UHF Base Antenna w/ Cutting Chart. User tunable for operation between 440-512MHz. After tuning, 10MHz Bandwidth.

Gain: 5.5dBi

VSWR: 1.5:1 or less

Max Power: 150 watts

Length: 3' 6"

Weight: 1 lb. 14 ozs.

Mounting Mast Diameter:

1 1/4 - 2 1/2"

Connector: N-Type

Construction: Single-piece fiberglass



## CA-52HB4

4 Element 6M Beam Wide Band 50-54MHz

Gain: 10.4dBi

F/B: At least 40dB down

VSWR: 1.5:1 or less

Boom Length: 10' 6"

Max Power: 400W SSB / 200WFM

Mounting Mast Diameter: 1 1/4 - 2 1/2"

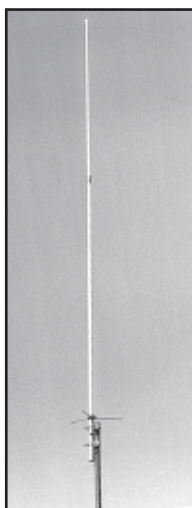
Weight: 4 lbs. 10 ozs.

Turning Radius: 7' 4"

Max Wind Speed: 75 MPH

Connector: SO-239

Construction: Aluminum w/stainless steel hardware



## CA-712EF

Mono Band 440-450MHz Base/Repeater Antenna

Gain & Wave: 9dBi

1/2 wave x 12

VSWR: 1.5:1 or less

Max Power: 200 watts

Length: 10' 5"

Weight: 3 lbs.

Mounting Mast Dia:

1 1/4 - 2 1/2"

Connector: N-Type

Construction: Heavy-duty fiberglass, 2 sections



## KP-20

Mono-Band 902-928MHz Base/Repeater Antenna

Gain & Wave: 9.2dBi

1/2 wave x 19

VSWR: 1.2:1 or less

Max Power: 100 watts

Length: 7' 4"

Mounting Mast Diameter:

1 1/4 - 2 1/2"

Connector: N-Type

Construction: Single-piece fiberglass



## GP-21

Mono Band 1240-1300MHz Base/Repeater Antenna

Gain & Wave: 14.9dBi

1/2 wave x 21

VSWR: 1.5:1 or less

Max Power: 100 watts

Length: 8'

Weight: 2 lbs. 8 ozs.

Mounting Mast Diameter: 1 1/4

- 2 1/2"

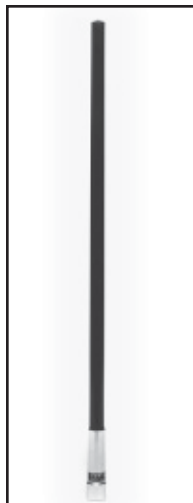
Connector: N-Type

Construction: Single-piece fiberglass

# 802.11/HSMM/Wi-Fi ANTENNAS



**SF-D53NSR**  
5700-5900MHz Antenna  
**Gain & Wave:** 5.5dBi  
½ wave x 3  
**Max Power:** 50 watts  
**Length:** 7"  
**Connector:** N-male



**SF-245R**  
2.4GHz Wi-Fi/Access Point Antenna  
**Gain & Wave:** 7.4dBi ½ wave x 5  
**VSWR:** 1.5:1 or less  
**Max Power:** 50 watts  
**Length:** 18"  
**Construction:** Fiberglass  
**Connector:** N-male



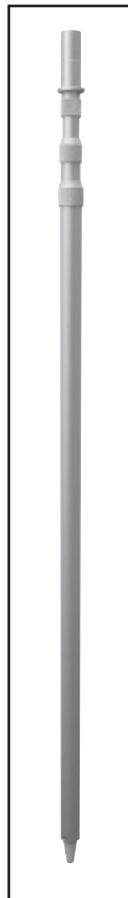
**SF-245SPR-R**  
High gain mobile Wi-Fi antenna  
**Gain & Wave:** 7.4dBi, ½ wave x 5  
**VSWR:** 1.3:1 or less  
**Length:** 18"  
**Connector:** N-male  
**Construction:** Fiberglass, spring base



**GP-24-3R**  
Wi-Fi/Access Point antenna w/3-degree downtilt  
**Gain & wave:** 15.4dBi  
½ wave x 22  
**VSWR:** 1.5: 1 or less  
**Max Power:** 100 watts  
**Length:** 5'10"  
**Weight:** 2 lbs  
**Connector:** N-Female  
**Construction:** Single piece fiberglass



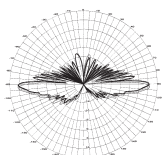
**GP-245R**  
Wi-Fi/Access Point Antenna  
**Gain & Wave:** 9.9dBi  
½ wave x 13  
**VSWR:** 1.5:1 or less  
**Max Power:** 100 watts  
**Length:** 3' 7"  
**Weight:** 1 lbs. 6 ozs.  
**Connector:** N-female  
**Construction:** Single piece fiberglass



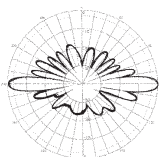
**CP-45**  
Aluminum telescoping antenna/utility mast  
**Collapsed length:** 54"  
**Maximum length:** 14' 8"  
**Weight:** 3 lbs  
**Maximum weight load:** 22 lbs  
**Max diameter:** 1<sup>5</sup>/<sub>16</sub>"  
**Min diameter:** 7/<sub>8</sub>"

- 4 high strength anodized aluminum sections
- Friction locks with nylon compression bushings
- Guy bracket and 45" guy line included
- Double SO-239 stand-off support included for attaching mobile PO style antennas
- Designed to be supported by the YS-45 Tripod

**GP-24-3**  
3 Degree Downtilt Elevation Pattern



**GP-245**  
Elevation Pattern



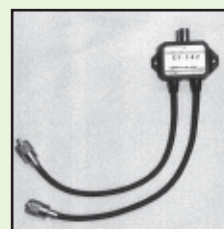
# DUPLEXERS



**CF-416A, 416B, 416C**  

Band Pass	Ins. Loss	Max Power
1.3-170MHz	0.15dB	800w PEP
350-540MHz	0.25dB	500w PEP

  
**Isolation:** 60dB  
**CONNECTORS:**  
CF-416A CF-416B CF-416C  
**Output:** SO-239 SO-239 N-Female  
**Low In:** PL-259 PL-259 PL-259  
**High In:** PL-259 N-Male N-Male



**CF-142**  
146/220MHz  

Band Pass	Ins. Loss	Max Power
1.3-150MHz	0.2dB	600w PEP
200-480MHz	0.3dB	400w PEP

  
**Isolation:** 40dB  
**CONNECTORS:**  

Output:	Low In:	High In:
SO-239	PL-259	PL-259



**YS-45**  
Welded aluminum tripod for the CP-45 mast  
**Minimum length:** 34"  
**Max length:** 55"  
**Support leg radius:** 24"

**Weight:** 3 lbs 4 ozs  
**Maximum weight load:** 22 lbs

- Non-skid rubber feet on support legs
- Friction lock with nylon bushing



**CF-4160K, 4160I**  
146/446MHz

Band Pass	Ins. Loss	Max Power
1.3-170MHz	0.1dB	800w PEP
350-540MHz	0.2dB	500w PEP

Isolation: 60dB

CONNECTORS: CF-4160K CF-4160I

Output:	SO-239	SO-239
Low In:	PL-259	PL-259
High In:	PL-259	N-Male



**CF-4160N, 4160J**

Band Pass	Ins. Loss	Max Power
1.3-170MHz	0.15dB	800W PEP
350-540MHz	0.25dB	500W PEP

Isolation: 60 dB minimum

CONNECTORS: CF-4160N CF-4160J

Output:	N-female	SO-239
Low In:	N-male	SO-239
High In:	N-male	SO-239



**CF-416W**  
Multi-Option Duplexer 2M/440MHz  
- 220MHz/440MHz - 2M/440-1200MHz

Band Pass	Ins. Loss	Max Power
1.3-250MHz	.2dB	400w PEP
400-1400MHz	.25-.3dB	200w PEP

Isolation: 30dB

CONNECTORS:

Output:	Low In:	High In:
N-Female	PL-259	N-Male



**CF-360A**  
HF/6M-440MHz Duplexer

Band Pass	Ins. Loss	Max Power
1.3-30MHz	0.2dB	600w PEP
49-470MHz	0.2dB	600w PEP

Isolation: More than 45dB

CONNECTORS:

Output:	Low In:	High In:
SO-239	PL-259	PL-259



**CF-360B**  
HF/6M-440MHz Duplexer

Band Pass	Ins. Loss	Max Power
1.3-30MHz	0.2dB	600w PEP
49-470MHz	0.2dB	600w PEP

Isolation: More than 45dB

CONNECTORS:

Output:	Low In:	High In:
PL-259	SO-239	SO-239



**CF-530**  
HF/6M/2M-70cm Duplexer  
For the IC-706/MKII/G FT-100

Band Pass	Ins. Loss	Max Power
1.3-90MHz	0.2dB	600w PEP
125-470MHz	0.2dB	600w PEP

Isolation: More than 45dB

CONNECTORS:

Output:	Low In:	High In:
SO-239	PL-259	PL-259



**CF-530C**  
HF/6M/2M - 70cm Duplexer  
for the FT-8900

Band Pass	Ins. Loss	Max Power
1.3-90MHz	0.2dB	600w PEP
125-470MHz	0.2dB	600w PEP

Isolation: More than 45dB

CONNECTORS:

Output:	Low In:	High In:
PL-259	SO-239	SO-239



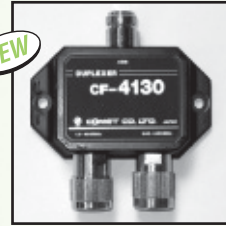
**CF-706A**  
HF/6M/75MHz-70cm Duplexer  
For the IC-706/MKII/G FT-100

Band Pass	Ins. Loss	Max Power
1.3-57MHz	0.4dB	350w PEP
75-550MHz	0.4dB	350w PEP

Isolation: More than 40dB

CONNECTORS:

Output:	Low In:	High In:
SO-239	PL-259	PL-259



**CF-4130B**  
HF-440MHz/1200MHz Duplexer

Band Pass	Ins Loss	Max Power
1.3-460MHz	0.2dB	500W PEP
840-1400MHz	0.3dB	200W PEP

Isolation: 55 dB minimum

CONNECTORS:

Output	Low In	High In
N-Female	PL-259	N-male



**CF-413B**  
HF-440MHz/1200MHz Duplexer

Band Pass	Ins Loss	Max Power
1.3-500MHz	.25dB	500W
840-1300MHz	.4dB	200W

Isolation: More than 55dB

CONNECTORS:

Output	Low In	High In
N-Female	PL-259	N-male

## TRIPLEXERS



**CFX-324A (w/ coax leads)  
CFX-324B (w/o coax leads)**  
146/220/446MHz Triplexer

Band Pass	Ins. Loss	Max Power
1.3-150MHz	0.2dB	600w PEP
200-320MHz	0.25dB	600w PEP
390-500MHz	0.3dB	600w PEP

Isolation: 40dB

CONNECTORS: CFX-324A CFX-324B

Output:	SO-239	SO-239
Low In:	PL-259	PL-259
Mid In:	PL-259	PL-259
High In:	PL-259	PL-259



**CFX-431B**  
146/446/1200MHz

Band Pass	Ins. Loss	Max Power
1.3-60MHz	0.15dB	1000w PEP
100-150MHz	0.25dB	800w PEP
350-500MHz	0.25dB	500w PEP
840-1.4GHz	0.3dB	200w PEP

Isolation: 50dB

CONNECTORS:

Output:	N-Female
Low In:	PL-259
Mid In:	PL-259
High In:	N-Male



**CFX-4310C**  
146/446/1200MHz

Band Pass	Ins. Loss	Max Power
1.3-60MHz	0.15dB	1000w PEP
100-150MHz	0.25dB	800w PEP
350-500MHz	0.25dB	500w PEP
840-1.4GHz	0.3dB	200w PEP

Isolation: 50dB

CONNECTORS:

Output:	N-Female
Low In:	PL-259
Mid In:	PL-259
High In:	N-Male



**CFX-514J, CFX-5140**  
50/146/446MHz

Band Pass	Ins. Loss	Max Power
1.3-90MHz	0.15dB	800w PEP
130-200MHz	0.2dB	800w PEP
380-500MHz	0.25dB	500w PEP

Isolation: 55dB

CONNECTORS: CFX-514J CFX-5140

Output:	SO-239	SO-239
Low In:	SO-239	PL-259
Mid In:	SO-239	PL-259
High In:	SO-239	PL-259



**CFX-514, CFX-514N**  
50/146/446MHz

Band Pass	Ins. Loss	Max Power
1.3-90MHz	0.2dB	800w PEP
130-200MHz	0.25dB	800w PEP
380-500MHz	0.3dB	500w PEP

Isolation: 55dB

CONNECTORS: CFX-514 CFX-514N

Output	SO-239	SO-239
Low In:	PL-259	PL-259
Mid In:	PL-259	PL-259
High In:	PL-259	N-Male

# MOBILE MOUNTS BRACKETS (COAX INCLUDED)

The universal mounts have multiple adjustments planes and are designed to slip over an edge on the vehicle that is ¼ inch thick or less including vertical passenger doors, rear SUV/van doors, truck doors, hood edges, trunk lips, etc... The trunk lip mounts are adjustable up to 17 degrees and designed for semi-flat trunk surfaces. Either the deluxe or standard coax cable assembly is included.

**Deluxe:** 16' 9" low loss coax cable with 18" of mini \*RG-174A/U type coax for easy entry thru weather seal without causing wind noise, water leaks or coax damage. Low loss 24k gold plated connectors.

**Standard:** 16' 9" RG-58A/U coax. Soft rubber protects vehicle paint. The lip mounts and coax cable assemblies are available separately if needed.

\*Mini coax limits max power: HF 200W - VHF 75W - UHF 50 watts



## HD-5M

Deluxe heavy-duty universal RS-840 mount and coax cable combination with SO-239/PL-259 connectors. Designed to hold large multi-band antennas up to 80 inches: UHV-4, UHV-6, ATAS-120, mini screwdriver antennas, etc... 2 adjustment planes, large footprint with support tab for stability. (Check your vehicle for flush adjoining surfaces) Footprint: 3.75" x 1.1"



## HD-5 3/8-24

Deluxe heavy-duty universal RS-840 mount and coax cable combination with 3/8x24 threaded socket/PL-259 connectors. Designed to hold small screwdriver and other antennas with 3/8x24 threaded studs. 2 adjustment planes, large footprint with support tab for stability. (Check your vehicle for flush adjoining surfaces) Footprint: 3.75" x 1.1"



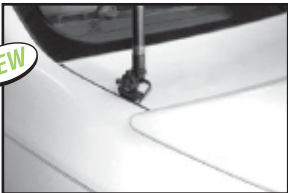
## CP-5M

Deluxe medium-duty universal RS-730 mount and coax cable combination with SO-239/PL-259 connectors. Designed to hold large antennas up to 70 inches: CSB-790A, CSB-770A, SB-15, etc... 4 adjustment planes, large footprint that completely sits on the mounting lip edge for universal application. Footprint: 3.4" x 1.25"  
Max recommended antenna: 40"



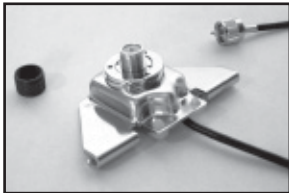
## CP-5NMO

Deluxe medium-duty universal RS-730 mount and coax cable combination with NMO/PL-259 connectors. Designed to hold large antennas up to 70 inches: 4 adjustment planes, large footprint sits on the mounting lip edge for universal application. Footprint: 3.4" x 1.25"



## LD-5M

Deluxe light-duty universal LD-5M mount and coax cable combination with SO-239/PL-259 connectors. Designed to hold small/med antennas up to 40" to doors/trunks with limited space for a lip mount to attach. Small footprint completely sits on the mounting lip edge for universal use. Footprint: 1.25" x .1"



## CT-5M

Standard heavy-duty trunk lip mount and coax cable combination with SO-239/PL-259 connectors. Designed to hold large multi-band antennas up to 80 inches: UHV-4, UHV-6, ATAS-120, mini screwdriver antennas, etc... Adjustable to 17 degrees, large footprint with support tab for stability. (Check your vehicle for flush adjoining surfaces) Footprint: 4.6" x 2.1"



## CM-5M

4.5" magnet mount with SO-239/PL-259 connectors. 16' 9" of RG-58/A coax  
Max recommended antenna: 40"



## MG-4N

4.5" magnet mount with N-connectors, recommended up to 2.5GHz. 13 feet of low loss coax.

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NEW

# ADAPTERS/JUMPERS



## HS-05 HS-10 HM-05 HB-05 HM-05JSJ

**HS-05:** SO-239/SMA Male jumper/adaptor, 19"  
**HS-10:** SO-239/SMA Male jumper/adaptor, 38"  
**HM-05:** SO-239/BNC Male, jumper/adaptor, 19"  
**HB-05:** BNC Female/SMA Male, jumper/adaptor, 19"  
**HM-05JSJ:** SO-239/SMA-Female, jumper/adaptor 19"



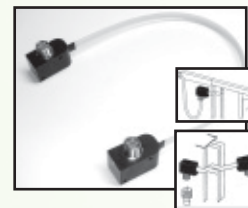
**AD-35M**  
PL-259 to 3/8 x 24 threaded socket adapter



**AD-15M** NMO to SO-239 adapter  
**AD-10N** NMO to N-female adapter



**AD-25M**  
SO-239 to NMO adapter



## CTC-50M

Window feed-thru jumper  
Flexible ALPET flat-film coax jumper allows entry of coax cable through a sliding window or door. It forms to the frame allowing the door or window to close securely. Copper-clad steel center core resists metal fatigue.

**Freq Range:** DC-1300MHz

**Max Power:**

HF-50MHz 100W PEP  
144MHz 60W FM  
440MHz: 40W FM  
1200MHz: 10W FM

**VSWR:** < 500MHz 1.3:1  
> 500MHz 1.5:1

**Impedance:** 50 Ohm

**Insertion Loss:**  
DC-500MHz < 0.5B  
500-900MHz < 1.3dB  
900-1300MHz < 1.8dB

**Connectors:** SO-239

**Length:** 16" approx



## MOBILE MOUNTING BRACKETS (NO COAX INCLUDED)

The below lip mounts will fit over virtually ANY lip on a vehicle that is 1/4" thick or less. Rear van and SUV doors, trunk lids, rear truck doors, hoods etc. Simply choose the mount appropriate for the size antenna you are using. They hold to the edge with set-screws which also grounds the mount to the vehicle, and have rubber coating on the base to prevent paint damage. If needed, add the desired cable assembly found at the bottom of this page.



### RS-840

Heavy-Duty, 2 adj planes, large footprint with lateral support tab. Thru-bolt & ball & socket surfaces lock the adjustments in place. For large antennas up to 80" inc small screw-driver antennas. Footprint: 3.75" x 1.1"



### RS-730

Heavy-Duty, 4 adjustment planes, large footprint. Dial-lock to lay the antenna down and lock it in place.

For antennas up to 70"

Footprint: 3.4" x 1.25"



### RS-720 / RS-720NMO

Med-duty, 3 adjustment planes, up to 60" antenna. The RS-720NMO has a 3/4" hole to accept an NMO mount.

RS-720: Footprint 2.1" x 1.15"

RS-720NMO: Footprint 2.1" x 1.15"



### RS-520

Perfect for doors/trunks with limited space for a lip mount to attach. 3 adj planes. Dial-lock to lay the antenna down and lock it in place, up to 45" antenna Footprint: 1.1" x .75"



### RS-020

Perfect for doors/trunks with limited space for a lip mount to attach. 2 adjustment planes, up to 40" antenna Footprint: 1.25" x 1"



### RS-660U Roof-Rack Mount

Adjustable roof rack mount, max opening: 2.5 inches. Mount to either a horizontal or vertical bracket on the roof rack and it will adjust to vertical. Made for the newer wide roof racks. Max recommended antenna height: 60 inches. 5/8 inch hole accepts SO-239 connectors



### MK-30H

12VDC motorized mount for trunks/hatchbacks, rear van doors etc. Heavy Duty motor for convenient lowering/raising of a mobile antenna. Approx 17 feet of wire allows the up/down switch to be located within the drivers reach. Recommended for antennas up to 60" and/or 1 lb. Rubber coated base avoids scratches. Coax cable not included. Footprint: 2.6" x 2.1"



### MK-RR

Optional roof rack bracket for the MK-30H Maximum opening: 2 1/8" x 1 7/8"

## MOBILE COAX CABLE ASSEMBLIES

Use these cable assemblies in any of the above mounting brackets, or to insert in a 5/8" hole for permanent mounting. Choose the length and type of coax that fits your needs. Please Note: Comet and Maldol specialize in "no holes to drill mounting solutions". They tune their antennas for best VSWR when mounted on a lip mount.



### CR-5M

Standard Cable Assembly  
16 feet 9 inches of RG-58/U coax with UHF (PL-259/SO-239) connectors



These low loss cable assemblies are .24" diameter and have 24k gold plated connectors. The PL-259/N-male connector barrel is removable to reduce the coax length and/or easier routing of the coax.

### 3D4M

13' length, SO-239/PL-259 connectors

### 3D5M

16'9" length, SO-239/PL-259 connectors

### 3D4N

13' length, N-female/N-male connectors



### CK-3M

9'9" total length, SO-239/PL-259 connectors

### CK-3M5

16'6" total length, SO-239/PL-259 connectors

### CK-3NMO

16'6" total length, NMO/PL-259 connectors

### CK-3 3/8-24

16'6" total length, 3/8-24/PL-259 Connectors

### CK-5N

13'3" total length, N-female/N-male connectors (Recommended to 2.5GHz)

Deluxe cable assemblies use 24k gold plated connectors, low loss coax and 18" of mini RG-174A/U type coax for easy entry thru the weather seal to avoid wind noise, water leaks and damage to the coax. The PL-259/N-male connector barrel is removable to reduce the coax length and/or easier routing of the coax.



### 5D4N

13 feet of extremely low loss coax. Gold-plated N-type connectors. Recommended up to 2400MHz.

# MULTI-BAND HF THRU 70cm



## HVU-8

Eight Band base station antenna,  
80/40/20/15/10/6/2M/70cm

### Gain & Wave:

80-6M: 1/4 wave  
146MHz: 1/2 wave 2.15dBi  
446MHz: 5/8 wave x 2 5.5dBi  
VSWR: 1.5:1 or less

### Max Power:

HF: 200W SSB  
6M -70cm 150W FM

Length: 8' 6" (approx)

Weight: 5' 7"

Connector: SO-259

The Maldol HVU-8 is a unique and ultra-compact HF, VHF and UHF antenna designed for confined or restricted space installations. The ground radial system is BUILT-IN on two collars. Each radial collar can be rotated 360 degrees to make mounting as easy as possible!

### Typical 2:1 SWR Bandwidth:

80M 22kHz  
40M 52kHz  
20M 52kHz  
15M 134kHz  
10M 260kHz



## CHA-250B

Broadband HF/6M  
Ground-Plane  
Antenna

TX: 3.5MHz – 57MHz

RX: 2.0 – 90MHz

VSWR: 1.6:1 or less

Max Power: 250W

SSB

Impedance: 50 Ohm

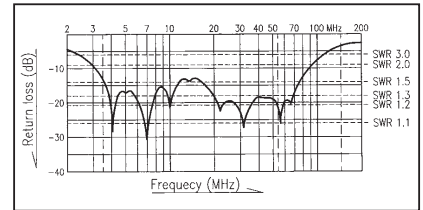
Length: 23' 5"

Weight: 7 lbs 1 oz

Conn: SO-239

Mast Req'd: 1" – 2" Diameter

Max wind speed: 67MPH



The Comet CHA-250B is a newly design broadband vertical with NO GROUND RADIALS. This antenna is EXTREMELY easy to assemble, requires no tuning or adjustments and VSWR is under 1.6:1 from 3.5-57MHz! Now including an optional guy line collar that slips over the center element to provide higher wind survival!

*"One person can effortlessly raise the antenna at night when no one can spot it, and take it down before daybreak. This antenna is also a great choice for portable operations, such as quick and easy mini-DXpedition to a campground or a nice tropical island! In short, the Comet CHA-250B is simple to assemble, painless to elevate and is easy on the eyes, while at the same time getting you on 6 meters thru 80 meters without the requirement of an antenna tuner and ground radials. You'll even be able to work some DX while you're at it!" - Dan Dankert N6PEQ*

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## H-422

40/20/15/10M rotatable quad-band  
dipole

Broadband, compact, trapped dipole  
installs in either a "V" or horizontal configuration.

Excellent performance even if mounted only 10-15ft above ground. During assembly the 20/15/10M bands are tuned simultaneously to the top, middle or bottom of each band while 40M tunes independently of the other three bands.

"V" Shape Length: 24 ft 5 inches  
Horizontal Length: 33 ft 10 inches  
Weight: 11 lbs 14 oz

Rotation Radius: 12 ft 6 inches  
Rotation Radius: 17 ft 5 inches  
Impedance: 50 Ohm

Max Power: 1000W SSB / 500W FM

Max Wind Survival: 67MPH

Wind Load: 3.01 sq feet

Connector: SO-239

Construction: Aluminum tubing, stainless steel hardware, heavy-duty mounting plate CBL-2500 2.5kW balun included



## CHV-5X

This is the compact dipole used for HF communications installed above the set of ABC Television's "Last Man Standing" with Tim Allen. The crowded and limited space above the set required a compact multi-band dipole, and the CHV-5X was selected to solve the problem the minimal space presented.

5-Band, 1/2 wave rotatable dipole for 40/20/15/10/6 meters!

Compact, lightweight, and easily assembled in either a horizontal, "V" shape or ground-plane configuration. Each band tunes independently of the others.

If you have antenna restrictions, neighbors that tend to complain about antennas, simply want to operate without drawing attention...or you want a lightweight multi-band antenna to use in portable or emergency situations, the CHV-5X is a great choice.

Max power: 40/20M 150W SSB

15/10/6M 220W SSB

Horizontal length: 13 ft approx

Weight: 5 lbs 14 oz approx

Impedance: 50 Ohm

Connector: SO-239

Mounting mast req'd: 1"-2.5"

Typical 1.5:1 or less SWR bandwidth:

40M: 22kHz

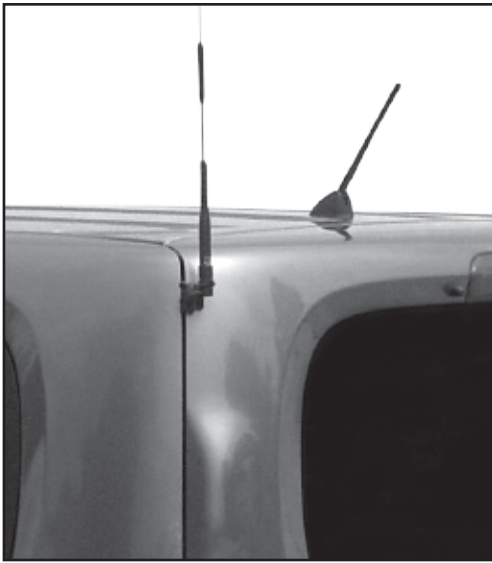
20M: 36kHz

15M: 54kHz

10M: 140kHz

6M: 1.8MHz

NEW



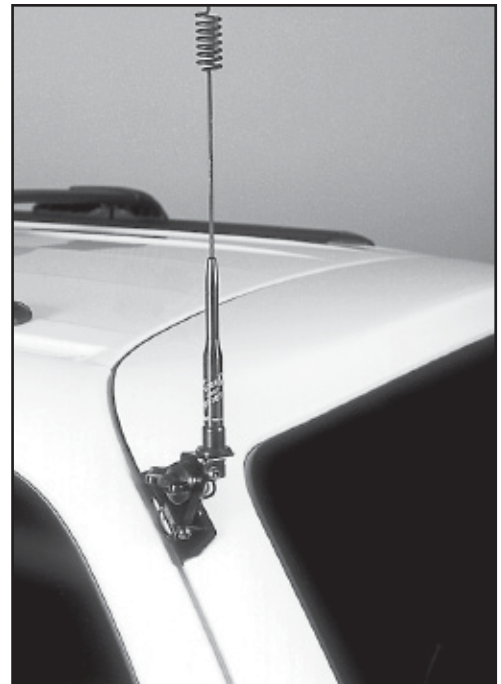
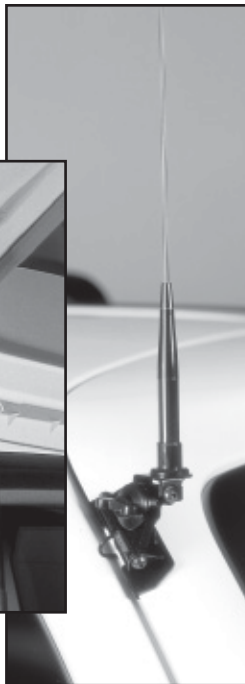
Here the LD-5M mount is attached to the hinged side of the rear-gate door edge of a Nissan Cube. 2 Set screws hold it securely in place. The mini RG-174A/U type coax cable assembly enters the passenger compartment through the weather seal without causing wind noise, coax damage or wind noise.



This is the famous B-10NMO. Although it appears to be a cellular phone antenna, it's actually an excellent 2M/440MHz dualbander. For around town, this antenna can't be beat.

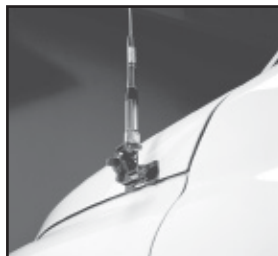
NOTE: If you're going to drill a hole in your vehicle, use the NMO style mount. It's easy to install and waterproof. If you DO NOT want to drill a hole, there are many more UHF (PO) style mounts to choose from.

When mounting an antenna on the rear door of a van/suv/ station wagon and other similar vehicle, the door opens as usual. When the door is opened, the antenna lays along the side of the passenger compartment.



### EXTENDED CAB TRUCK OWNERS

The rear passenger door is a great place to mount an antenna. It's within reach, out of the way and places the antenna above the roof-line. Choose a mount from pages 12 or 13 and attach the mount either on the side or top of the door. Or, use the same mount to attach an antenna to the hood. As long as the hood is 1/4 inch thick or less, the mount will slide over the edge and tighten down with set screws.



The CP-5M is the best selling lip mount, here attached to the side door of a hatch style van door. It will hold antennas up to 70" in height. 4 set screws hold it securely and ground the mount to the door. It is true that an antenna mounted to the side of a ground plane as in the photo does not have a perfect radiation pattern. However, high gain antennas and modern repeater systems have improved greatly of the past 50 years and more than compensate for a less than perfect mobile antenna position. Being able to mount the antenna without damaging the roof, causing rust and/or leaks, and to be able to easily reach the antenna to remove it for car washes, garage entry, and to avoid theft makes lip mount antennas very convenient!

# COMET™



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