

High Gain VHF Base Station Antenna

Features :

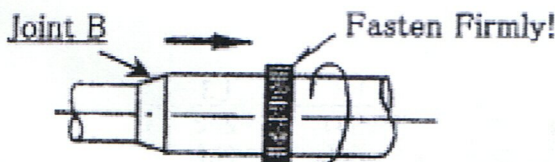
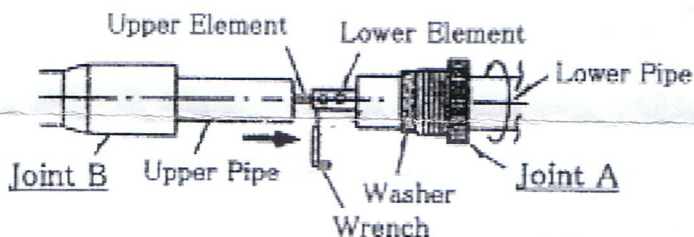
Heavy duty Fiber Glass constructin provides long durability and complete water-proof.  
High Gain of 6.0dB is achieved.

Specifications :

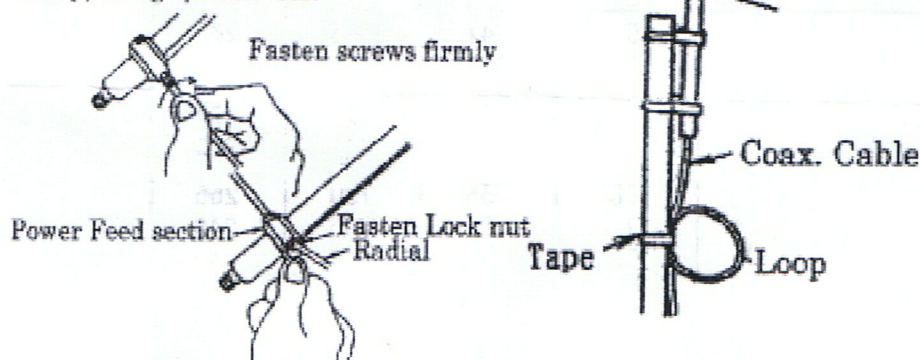
- Frequency : 136 - 175MHz ( to be fixed )
- Gain : 6.0 dB
- Impedance : 50 ohm
- V. S.W.R. : Less than 1 : 1.5
- Max Power : 150 watt
- Weight : 1.3 kg approx.
- Length : 2.7 m approx.
- Connector : M type (SO239)

Assembling & Mounting :

- 1) Joint the Lower Element and Upper Element, using Hex. wrench.
- 2) Then, insert Upper Ant. Pipe to Lower JOINT-A, and joint it to upper JOINT-B together with Rubber Washer strongly.

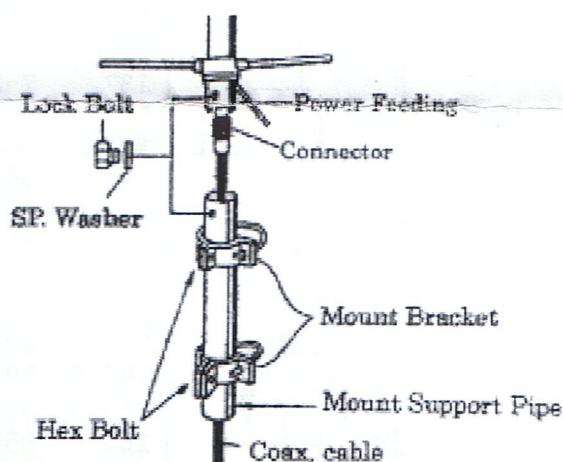
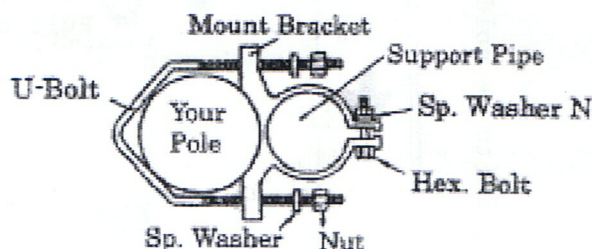


- 3) Assemble 3 radials. Then, fasten Radial Lock Nuts firmly, using spanner etc.



- 4) Then, mount 2 Mount Brackets onto the Mount Support Pipe. Pass the coax. cable through the Pipe and connect to the Power Feeding Section. Please fasten Hex.Bolts firmly. Then, assemble such Support Pipe to whole antenna and fasten Lock Bolt strongly.

- 5) Finally, mount all assembled antenna to your mast. Because CA-F22GF is long, 2.7m high antenna, please pay attention on the balance and use strong pole as possible, 25-62mm dia.



Note :

CA-F22GF is high gain antenna. Please use high quality coaxial cable loss.

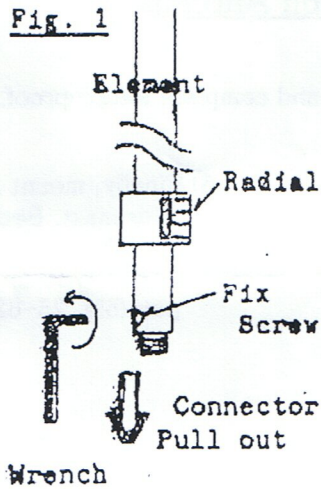
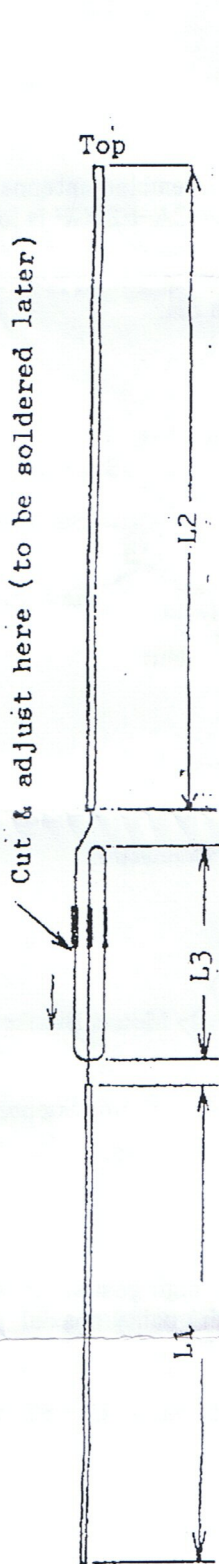
Available Mast Dia is 25 - 62 mm φ .

Parts List :

No. Parts Name :

- 01 Element
- 02 Radial w/nut
- 03 Power Feeding Section
- 04 Hex Bolt w/sp. washer
- 05 Mount Support Pipe
- 06 Mount Bracket

How to Adjust Frequency of  
Model CA-F22GF(136-175)



1. Unfasten the Fix-Screw at the low-end of Power Feeding Section. (Fig.1)
2. Then, pull out whole inside Wiring Assembly as shown on Fig. 2.
3. Please adjust length of L1, L2, and L3, according to the Cutting List. After L3 adjustment, such points are to be soldered correctly.
4. Insert whole Wiring Assembly into the Fiber Element and fasten the Fix Screw tightly.
5. Before insertion, silicone at the connector section will be recommended for complete water-proof.

Element Cutting Chart

F22GF(136-175MHz)

MHz	L1	L2	L3
137	750	1047	282
140.3	721	1000	282
141	708	988	282
144.2	680	949	282
147.4	666	930	272
149	654	912	272
151.7	641	895	265
154	621	865	265
158	603	842	260
160.6	593	828	255
163.3	573	805	255
166	555	780	255
172	537	755	245
173.5	530	743	245

Note: Length by mm.

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