

## VHF J Pole 146 MHz sufficient on 220 and 440 MHz

### Materials Required

9 1/2 Feet 1/2" Copper Pipe

3 Each 1/2" End Caps

1 Each 1/2" Tee

1 Each 1/2" Elbow

Solder and Flux

Required length of 50 Ohm Coax.

Optional SO-239 Connector

Optional insulator for SO-239 Connector

Optional Mounting nuts, bolts, and washers for mounting SO-239 insulator

Cut 4 lengths of pipe

A 37 1/2"

B 18 1/2"

C 58 1/2"

D 2 1/2"

Solder end caps, one each on A, B, and C

Solder elbow on open end of B

Solder one end of D to open end of elbow

Solder thru ends of tee to open ends of A and C

Solder open end of D to open end of tee

Attach 50 ohm coax cable 3" above centerline of D as shown using direct connection or optional insulator and connector

1998 KF4SCI

