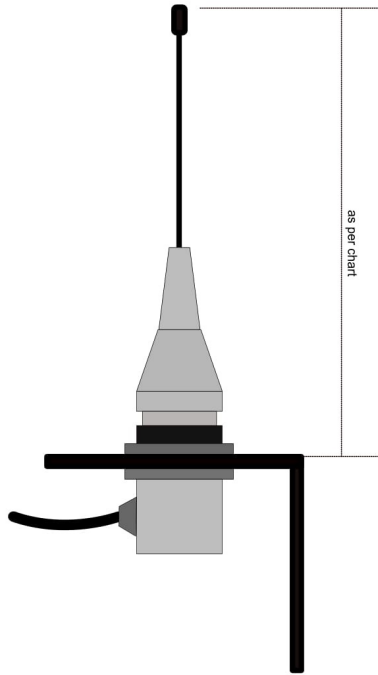
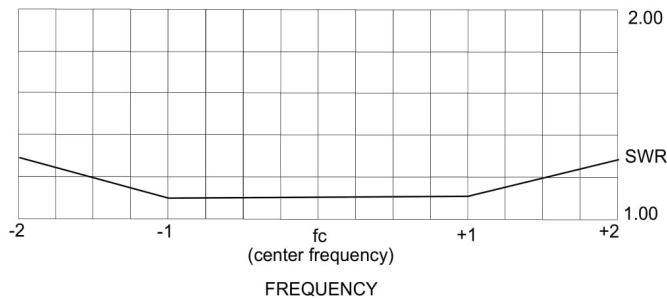


## 5/8 λ, 3dB WHIP ANTENNA

### CUTTING CHART



TYPICAL FREQUENCY TO SWR CHART



#### UHF

FREQUENCY (MHz)	LENGTH (cms)
400	46.8
405	46.2
410	45.7
415	45.1
420	44.6
425	43.7
430	43.2
435	42.6
440	42.2
445	41.7
450	41.2
455	40.8
460	40.3
465	39.9
470	39.5
475	39
480	38.6
350	53
360	52
370	50

#### VHF

FREQUENCY (MHz)	LENGTH (cms)
144	52
145	51.6
146	51.3
147	51
148	50.6
149	50.3
150	50
151	49.6
152	49.3
153	49
154	48.7
155	48.3
156	48
157	47.7
158	47.4
159	47.1
160	46.8
161	46.5
162	46.2
163	46
164	45.7
165	45.4
166	45.1
167	44.9
168	44.6
169	44.3
170	44.1
171	43.8
172	43.6
173	43.3
174	43.1

### SPECIFICATIONS

- |                            |                                |
|----------------------------|--------------------------------|
| 1. TYPE OF ANTENNA         | : 5/8 lambda, 3dB WHIP ANTENNA |
| 2. FREQUENCY               | : VHF/UHF                      |
| 3. INPUT IMPEDENCE         | : 50 OHMS                      |
| 4. POWER HANDLING CAPACITY | : 100 WATTS                    |
| 5. INPUT TERMINATION       | : UHF FEMALE SO239             |
| 6. GAIN                    | : BETTER THAN 3dB GAIN         |
| 7. POLARIZATION            | : VERTICAL                     |
| 8. RADIATION PATTERN       | : OMNI DIRECTIONAL             |
| 9. CONSTRUCTION            | : BRASS/SS                     |

### ASSEMBLY INSTRUCTION

The Antenna consists of a Brass Base and 1 steel radiating element.

To install the radiating element, screw stem on the top of the base. The length of the radiating element is to be cut as per frequency cutting chart or by checking it with the help of through line wattmeter, preferable make Diamond/Bird.

This completes the assembly of the antenna. The antenna can be mounted on any vehicle preferably on the top of the vehicle.