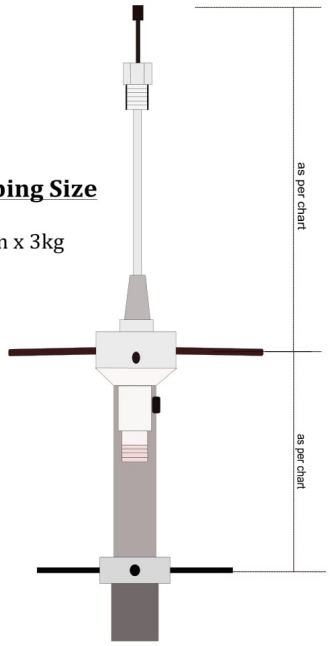
Synergy Telecom P Ltd.

6dB HIGH GAIN BASE ANTENNA



Shipping Size

160 cm x 3kg

CUTTING CHART

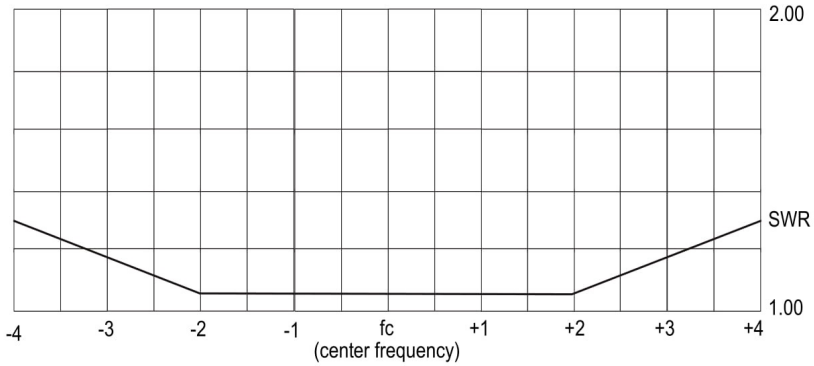
UHF

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

VHF

FREQUENCY (MHz)	LENGTH (cms)
144	129.5
145	128.6
146	127.7
147	126.8
148	126
149	125.1
150	124.3
151	123.5
152	122.7
153	121.9
154	121.1
155	120.3
156	119.5
157	118.7
158	118
159	117.2
160	116.5
161	115.8
162	115.3
163	114.4
164	113.7
165	113
166	112.3
167	111.6
168	111
169	110.3
170	109.7
171	109
172	108.4
173	107.8
174	107

Typical Frequency to SWR Chart



SPECIFICATIONS

1. TYPE OF ANTENNA : 6dB HIGH GAIN BASE ANTENNA
2. FREQUENCY : VHF/UHF
3. INPUT IMPEDENCE : 50 OHMS
4. POWER HANDLING CAPACITY : 100 WATTS
5. INPUT TERMINATION : UHF FEMALE SO239/N-FEMALE
6. GAIN : 6dB GAIN (double 5/8 lambda)
7. POLARIZATION : VERTICAL/HORIZONTAL
8. RADIATION PATTERN : OMNI DIRECTIONAL
9. CONSTRUCTION : BRASS/SS

ASSEMBLY INSTRUCTION

The Antenna consists of a Brass Base, 8 nos. Radials and 1 Brass radiating element (adjustable).

The 8 radials are to be screwed into the 8 holes on the base enclosing the UHF (F) connector. To install the radiating element, screw stem on the top of the base. The length of the radiating element can be adjusted as per frequency cutting chart or by checking it with the help of through line wattmeter, preferable make Diamond/Bird.

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