

# Mobile Radio VHF Panel Mount Antenna

AVHB



## AVHB

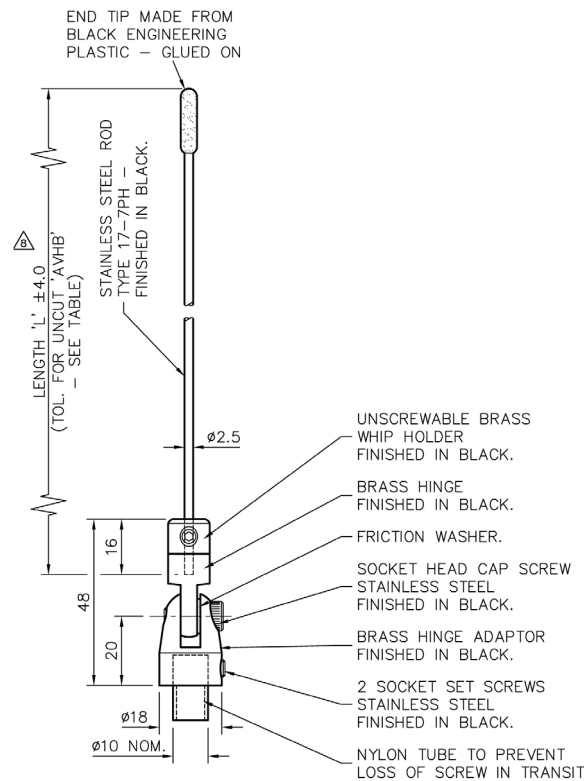
- Rugged construction
- $\frac{1}{4}$  Wave Antenna
- Hinged base

The AVHB range is a durable roof mounted solution for vehicle installations at VHF frequencies.

The radiator is fabricated from high quality 17-7PH stainless steel and can be removed for low clearances or car washes. The antenna is compatible with the full range of Panorama Antennas Ltd modular bases and features a convenient hinge mounting.

Technical Drawing

AVHB shown



# Mobile Radio VHF Panel Mount Antenna

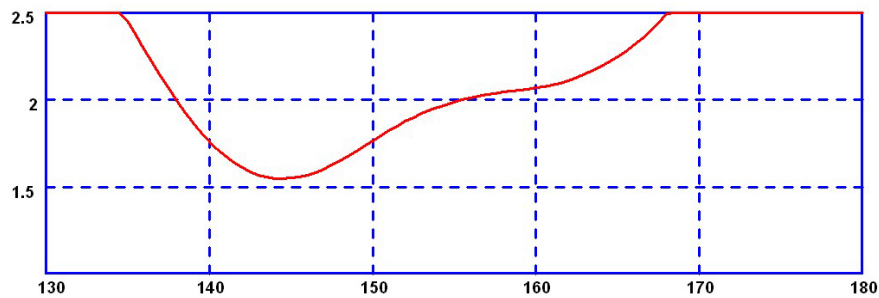
AVHB

## Product Data

| Part Number            |               | AVHB-JRC      | AVHB-H4      | AVHB-H5                        | AVHB-H6      | AVHB-H7      |
|------------------------|---------------|---------------|--------------|--------------------------------|--------------|--------------|
| <b>Electrical Data</b> |               |               |              |                                |              |              |
| Frequency Range (MHz)  |               | 139-157       | 141-151      | 149-159                        | 156-162      | 162-174      |
| Gain: Isotropic        |               |               |              | 2dBi                           |              |              |
| Compared to ¼ wave     |               |               |              | 0dB                            |              |              |
| Typical VSWR           |               | <2.5:1        | <2:1         | <2:1                           | <2:1         | <2:1         |
| Polarisation           |               |               |              | Vertical                       |              |              |
| Pattern                |               |               |              | Omni Directional               |              |              |
| Impedance              |               |               |              | 50Ω                            |              |              |
| Max Input Power (W)    |               |               |              | 100                            |              |              |
| <b>Mechanical Data</b> |               |               |              |                                |              |              |
| Dimensions (mm)        | Total Height  | 1220 (48.03") | 467 (18.38") | 444 (17.48")                   | 428 (16.85") | 405 (15.94") |
|                        | Base Diameter |               |              | 18 (0.7")                      |              |              |
| Operating Temp (°C)    |               |               |              | -40° / +80°C (-40° / 176°F)    |              |              |
| Material               |               |               |              | Stainless steel & plated brass |              |              |
| Colour                 |               |               |              | Black                          |              |              |

## Electrical Data

Typical VSWR\*



\*AVHB-JRC shown measured on a 1m x 1m (3.3ft x 3.3ft) Groundplane with 5m of CS23 cable

Typical H-Plane (145 MHz)

