

# Flexible 1/4 Wave Whip

AFM-[UHF]



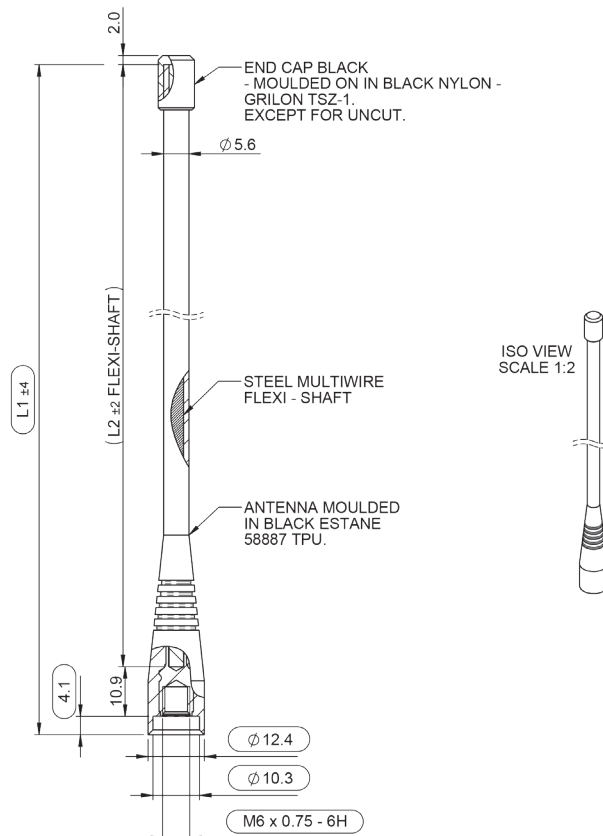
- Flexible 1/4 wave whip
- Tough, flexible TPU Jacket
- Tunable to UHF frequencies

This 1/4 wave antenna features a flexible fully overmoulded construction with a tough TPU jacket. The design provides damage resistance without compromising RF performance.

The AFM range is designed for use with Panorama GPS combination bases like the Sharkee® and GPSK.

Technical Drawing

AFM-[VAR] Shown



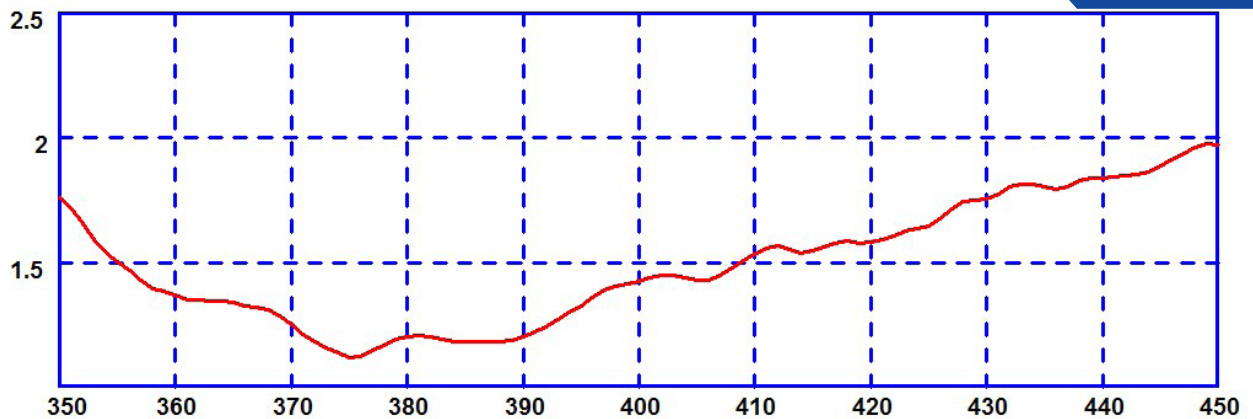
Product Data

| Part No.               |          | AFM-S1     | AFM-S2     | AFM-TET                        | AFM-S4      | AFM-U1    | AFM-U2     |
|------------------------|----------|------------|------------|--------------------------------|-------------|-----------|------------|
| <b>Electrical Data</b> |          |            |            |                                |             |           |            |
| Frequency Range (MHz)  |          | 380-400    | 410-430    | 380-430                        | 450-470     | 410-470   | 450-520    |
| Peak Gain†             |          |            |            | 2dBi                           |             |           |            |
| Compared to 1/4 wave   |          |            |            | 0dB                            |             |           |            |
| Typical VSWR*          |          |            |            | <2.5:1                         |             |           |            |
| Polarisation           |          |            |            | Vertical                       |             |           |            |
| Pattern                |          |            |            | Omni-directional               |             |           |            |
| Impedance              |          |            |            | 50Ω                            |             |           |            |
| Max Input Power (W)    |          |            |            | 100                            |             |           |            |
| <b>Mechanical Data</b> |          |            |            |                                |             |           |            |
| Dimensions (mm)        | Height   | 162 (6.4") | 154 (6.1") | 160 (6.3")                     | 136 (5.35") | 146(5.7") | 129 (5.1") |
|                        | Diameter |            |            | 12.4 (0.5")                    |             |           |            |
| Operating Temp (°C)    |          |            |            | -40° / +80°C (-40° / 176°F)    |             |           |            |
| Material               |          |            |            | Stranded multicore cable & TPU |             |           |            |
| Colour                 |          |            |            | Black                          |             |           |            |
| <b>Mounting Data</b>   |          |            |            |                                |             |           |            |
| Termination            |          |            |            | M6 x 0.75                      |             |           |            |

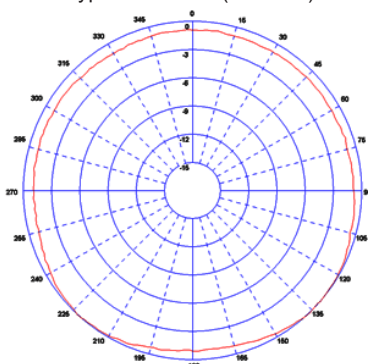
† Peak gain measured on a GPSB5G base on a 1m x 1m (3.3'x3.3') ground plane without additional cable

\* VSWR measured on a 1m x 1m (3.3'x3.3') ground plane with 5m (16.4') of CS23 (RG58 c/u) cable

Product Data



Typical H-Plane (390MHz)



Typical E-Plane (390MHz)

