

ASFC-170-U2-821

Tri Band Whip

16/04/2019 v1



ASFC-170-U2-821

Tri band performance

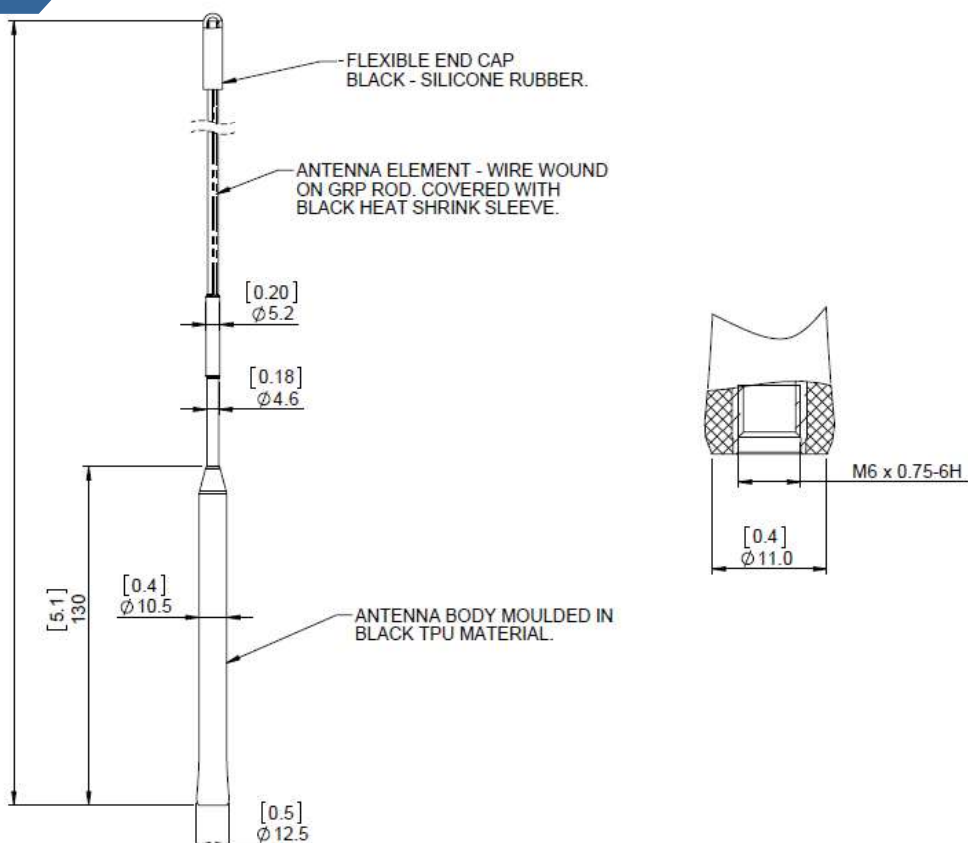
Flexible rod with wound element

Fits Panorama GPS combination bases

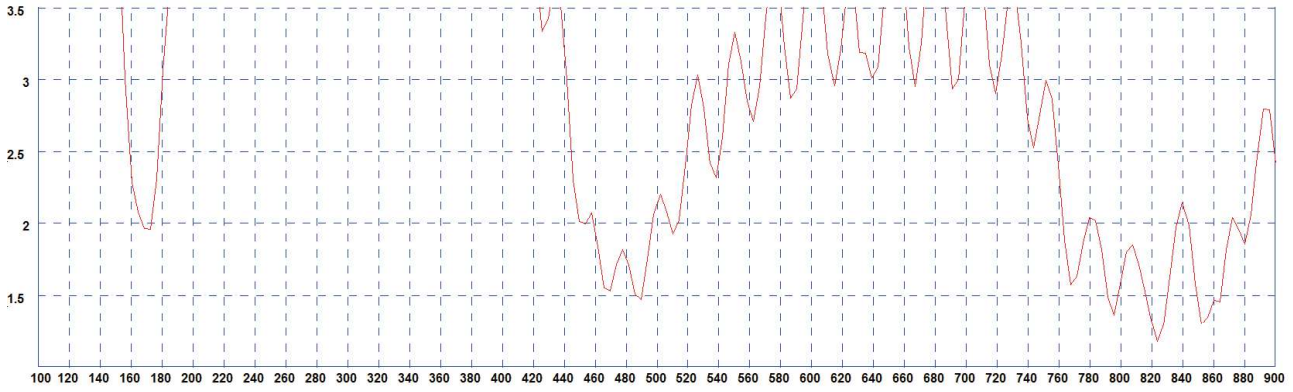
The ASFC-170-U2-821 covers VHF 170 MHz, UHF 450-512MHz and the 762-870 MHz bands. The antenna whip is stylish, discreet and durable featuring a flexible overmoulded base section and a black jacketed flexible wound rod element.

The ASFC-170-U2-821 is designed to be mounted on the GPSB, GPSD and GPSK range of bases.

Technical Drawing

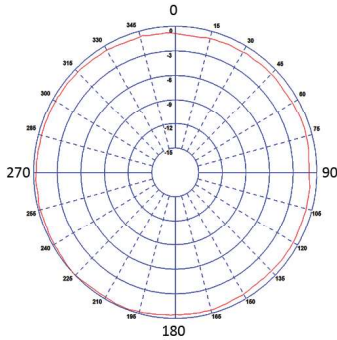


Typical VSWR*

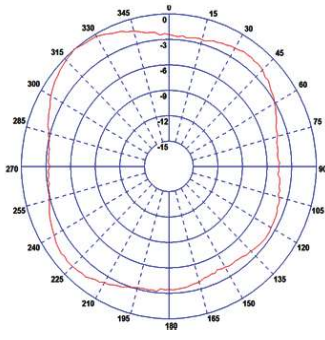


*Measured on GPSB base on a 5 x 5 ft (1.5m x 1.5m) ground plane with 13ft (4m) of CS23 cable.

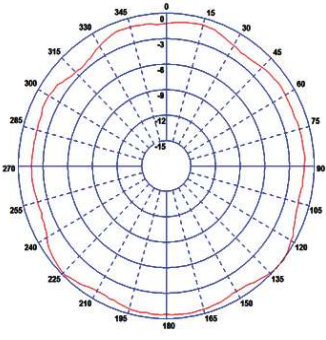
Typical H-Plane (170 MHz)



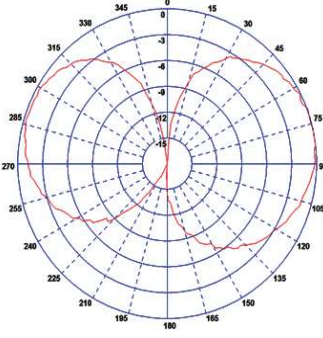
Typical H-Plane (460 MHz)



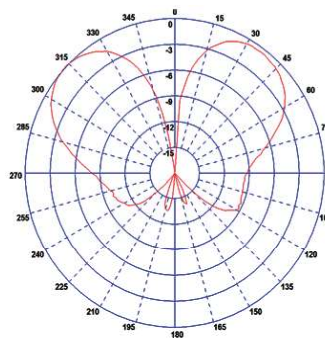
Typical H-Plane (821 MHz)



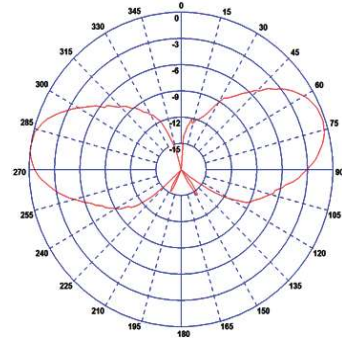
Typical E-Plane (170 MHz)



Typical E-Plane (460 MHz)



Typical E-Plane (821 MHz)



Part No.

ASFC-170-U2-821

Electrical Data

Frequency Range (MHz)	162-174 / 450-512 / 762-870
Typical VSWR*	< 2.5:1
Peak Gain (dB)*	170MHz: Unity 460MHz: Unity 7/800MHz: 2dB

Polarisation: Vertical

Pattern: Omni-directional

Impedance: 50Ω

Max Input Power: 60

Mechanical Data

Dimensions (mm)	Height	360 (14")
Terminal		M6 x 0.75
Operating Temp (°C)		-30° / +80°C (-22° / +176°F)
Material		Flexible TPU, FRP, Silicone Rubber
Colour		Black

*Peak gain at the horizon referenced against a 1/4 wave under the same conditions (dBq)

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