

1/4 Wave Antenna 380-430MHz

310-00006 | SPR-09683

23/07/2018 v2



1/4 wave antenna

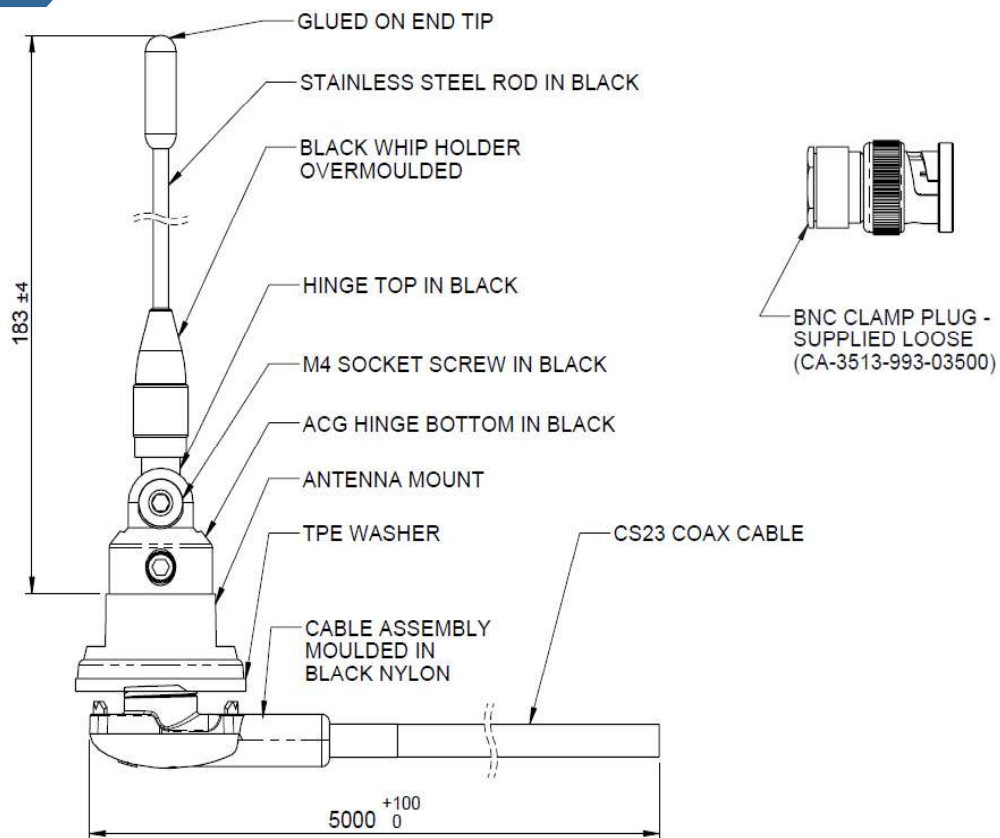
Panel mount base

Integrated low loss cable with BNC (m)

Constructed from high quality materials with a stainless steel whip this 1/4 wave antenna features a hinged base which can be used to flatten the antenna to a vehicle roof for low clearance scenarios like garages and car washes.

Supplied with a modular fitment the antenna can be mounted to the Panorama M8, MMR and other modular bases.

Technical Drawing

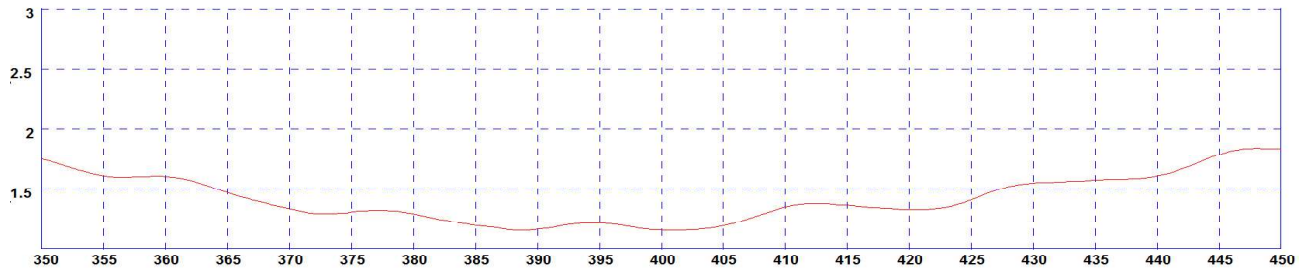


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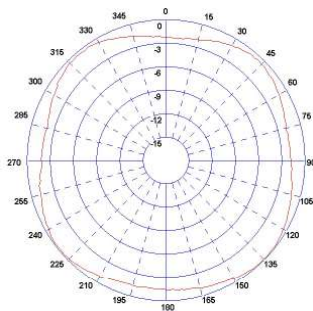
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Product Data

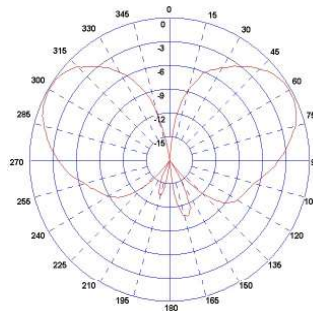
Typical VSWR*



Typical H-Plane Pattern



Typical E-Plane Pattern



Part No.

SPR-09683

Electrical Data

| | |
|----------------------------|-----------|
| Frequency Range (MHz) | 380-430 |
| VSWR (Typical)* | < 1.5 : 1 |
| Nominal Gain (isotropic)** | 2dBi |
| Impedance | 50Ω |
| Max Input Power (W) | 50 |

Mechanical Data

| | | |
|---------------------|---|-----------------|
| Dimensions (mm) | Whip Length | 183+/- 4 (7.2") |
| | Base Height | 15 (0.6") |
| | Diameter | 28 (1.1") |
| Operating Temp (°C) | -40° / +80°C (-40° / +176°F) | |
| Material | ABS, Polyamide, Brass & Stainless Steel | |
| Colour | Black | |

Cable Data

| | |
|---------------|-------------------------|
| Cable Type | CS23 (RG58 c/u) |
| Diameter (mm) | 5 (0.2") |
| Length (m) | 5 (17') |
| Connector | BNC plug supplied loose |

*VSWR measured on an M8 on a 1m x1m (3.3' x 3.3') ground plane including 5m (17') cable.

**Peak gain measured at the horizon not including cable loss.



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