

High Gain Antenna 400-430MHz

320-00008 | SPR-09685

23/07/2018 v2



High Gain antenna

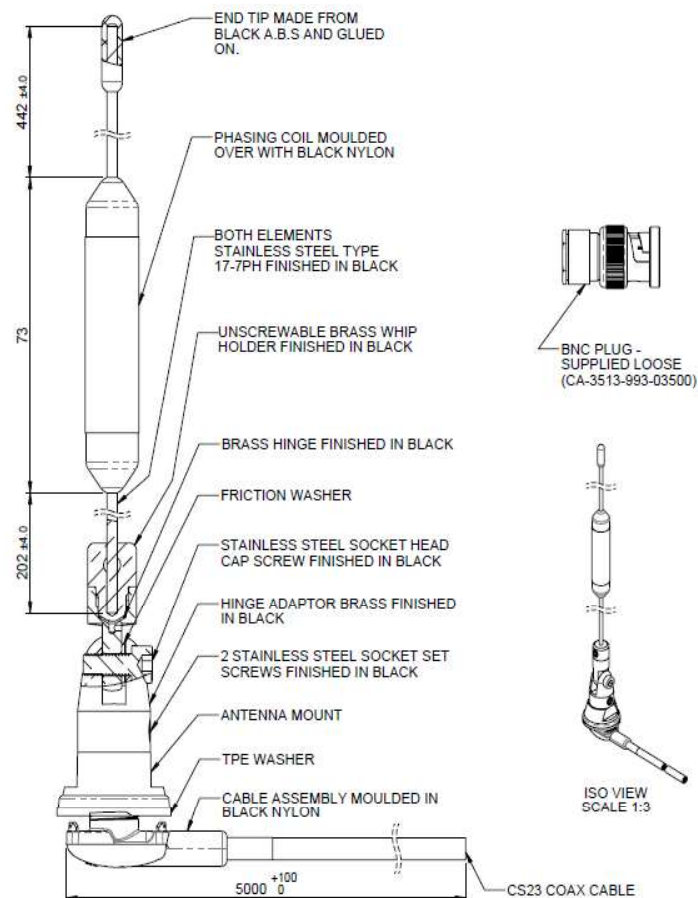
Panel mount base

Integrated low loss cable with BNC (m)

Constructed from high quality materials with a stainless steel whip this high gain antenna features a moulded phasing coil and 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

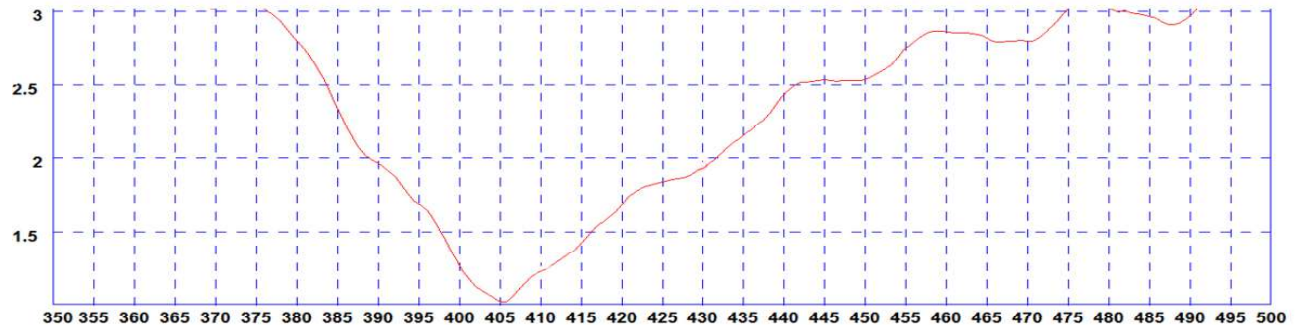


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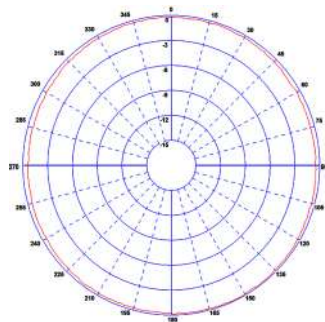
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Typical VSWR*

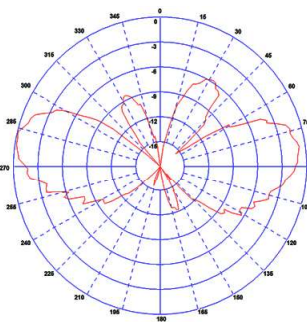
Product Data



Typical H-Plane Pattern



Typical E-Plane Pattern



Part No.

SPR-09685

Electrical Data

Frequency Range (MHz)	400-430
VSWR (Typical)*	< 2 : 1
Nominal Gain (isotropic)**	7dBi
Impedance	50Ω
Max Input Power (W)	50

Mechanical Data

Dimensions (mm)	Whip Length	765 +/- 4 (30.19")
	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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