

# TETRA UHF

## Bumper Mount Antenna

01/04/2016 v2

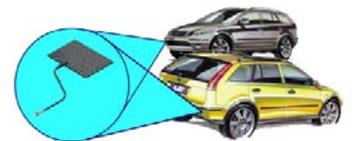
### BMP1-S1

- Covert application
- Robust overmoulded design
- Fits behind vehicle bumper



The Panorama Bumper Mount Antenna is designed for covert operations and other applications which require a vehicle antenna that is effectively invisible.

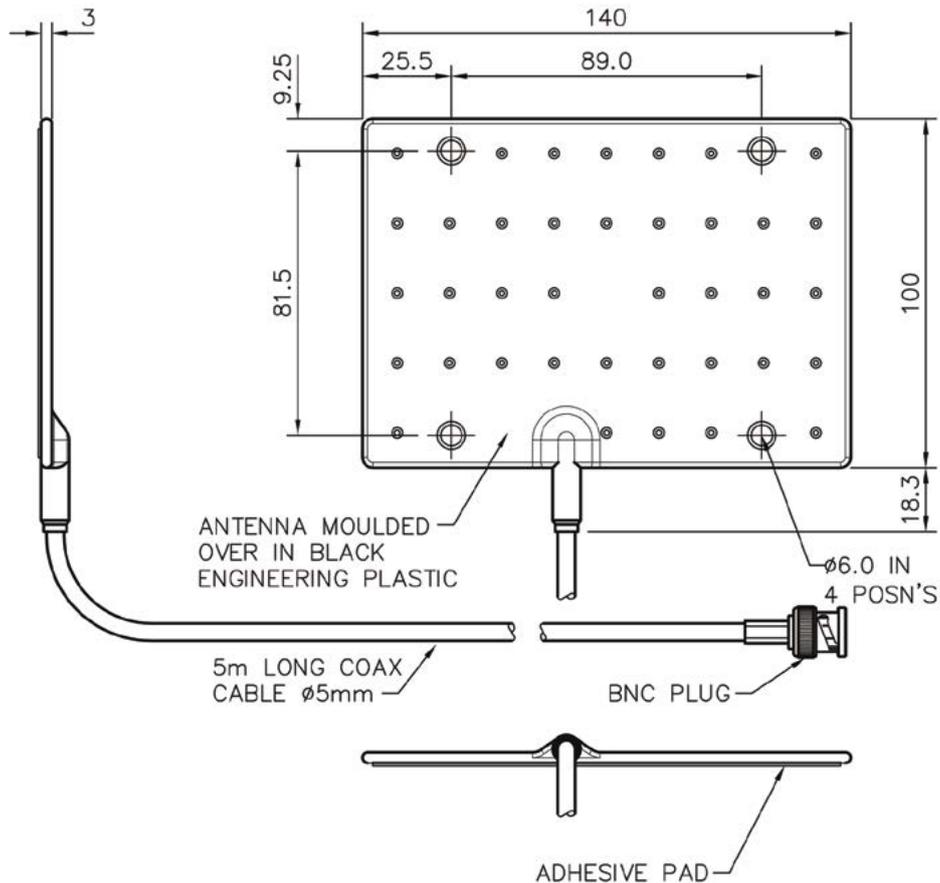
Mounted in the vehicle's bumper, installation requires no drilling and is invisible from the outside of the car.



Typical antenna positioning

#### Technical Drawing

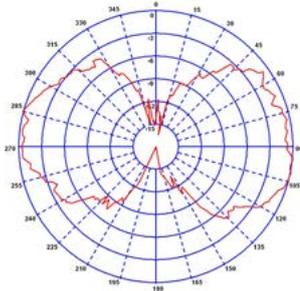
BMP1-S1-5B Shown



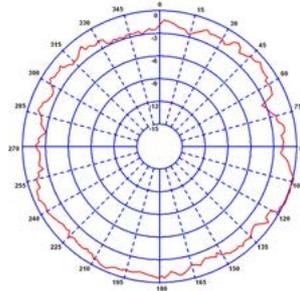
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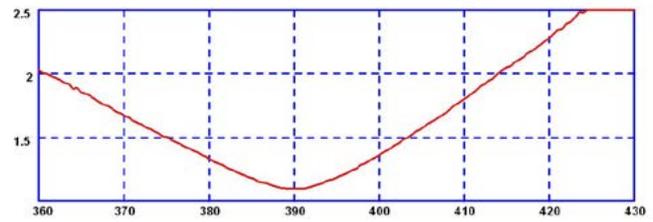
Typical E-Plane\* (390MHz)



Typical H-Plane\* (390MHz)



Typical VSWR\*



\*E+H plane patterns shown measured in free space

\*VSWR shown installed with 5m (17') of CS23 cable

Part No.		BMP1-S1
<b>Electrical Data</b>		
Frequency Range (MHz)	380-400	
Operational Band	S1	
Peak Gain: Isotropic (in free space)	0dBi	
Compared to ¼ wave	-2dB	
VSWR	≤ 2.5:1	
Polarisation	Vertical	
Pattern	Omni-directional	
Impedance	50Ω	
Max Input Power (W)	25	
<b>Mechanical Data</b>		
Dimensions (mm)	Length	140 (5.51")
	Width	100 (3.9")
	Depth	4 (including adhesive pad) (0.15")
Operating Temp (°C)	-40° / +80°C (-40° / +176° F)	
Material	TPE	
Colour	Black	
<b>Mounting Data</b>		
Fixing	Adhesive pad & 4 × fixing holes	
<b>Cable Data</b>		
Type	CS23 (RG158 c/u)	
Diameter (mm)	5 (0.19")	
Length (m)	5 (16' 4")	
Termination	BNC Plug*	
<b>*Connector Configurations</b>		
BNC (fitted)	BMP1-S1-5B	
TNC (fitted)	BMP1-S1-5T	
FME (fitted)	BMP1-S1-5F	
Bare End	BMP1-S1-5	



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