

Product Datasheet

High Gain Panel Mount Antenna

Mobile Radio

High Gain Panel Mount Antenna



AVGHB

High gain

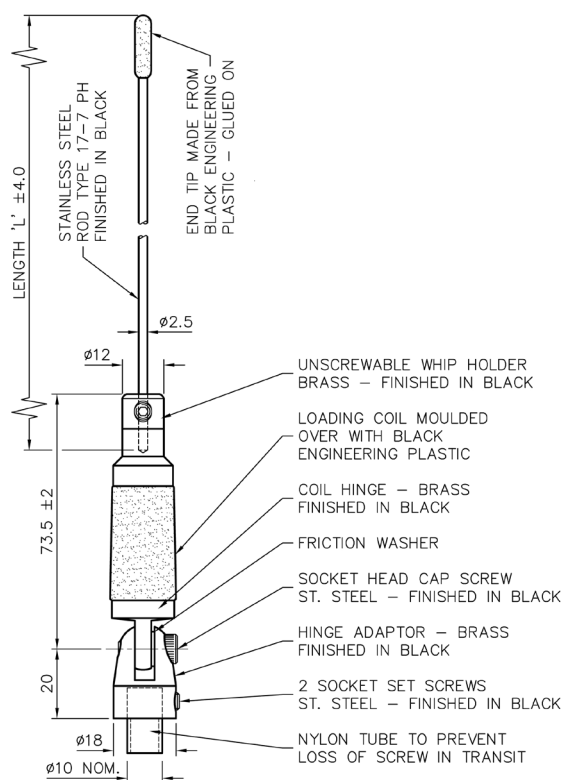
Rugged construction

Hinged base and removable radiator

The AVGB range is a durable roof mounted solution for vehicle installations requiring gain at VHF frequencies. The antenna offers 5dBi gain thanks to a fully encapsulated base loading coil.

The radiator is fabricated from high quality 17-7PH stainless steel and can be removed for low clearances or car washes. The antenna is compatible with the full range of Panorama Antennas Ltd modular bases and features a convenient hinge mounting.

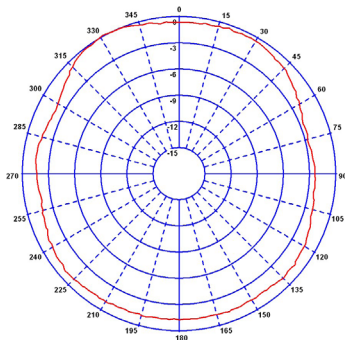
Technical Specification



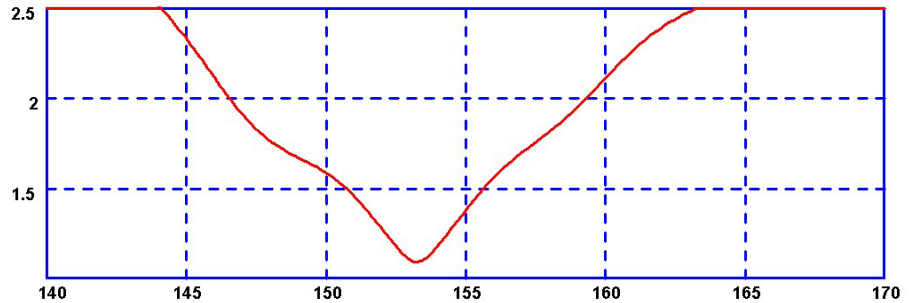
Mobile Radio

High Gain Panel Mount Antenna

Typical H-Plane



Typical VSWR*



*Measured on a 1m x 1m Groundplane

Part Number					
	AVGHB [uncut]	AVGHB-H4	AVGHB-H5	AVGHB-H6	AVGHB-H7
Electrical Data					
Frequency Range (MHz)	-	141-151	149-159	156-162	162-174
Gain: Isotropic	5dBi	5dBi	5dBi	5dBi	5dBi
Compared to ¼ wave	3dB	3dB	3dB	3dB	3dB
Bandwidth @ 2:1 VSWR	10%	10%	10%	10%	10%
Polarisation	Vertical	Vertical	Vertical	Vertical	Vertical
Pattern	Omni Directional	Omni Directional	Omni Directional	Omni Directional	Omni Directional
Impedance	50Ω	50Ω	50Ω	50Ω	50Ω
Max Input Power (W)	50	50	50	50	50
Mechanical Data					
Dimensions (mm)	Total Height	1579	1417	1339	1294
	Base Diameter	18	18	18	18
Operating Temp (°C)	-40° / +80°C	-40° / +80°C	-40° / +80°C	-40° / +80°C	-40° / +80°C
Material	Stainless steel & engineering plastic	Stainless steel & engineering plastic	Stainless steel & engineering plastic	Stainless steel & engineering plastic	Stainless steel & engineering plastic
Colour	Black	Black	Black	Black	Black

Panorama Antennas Ltd
Frogmore, London, SW18 1HF, United Kingdom

T: +44 (0)20 8877 4444
F: +44 (0)20 8877 4477

E: sales@panorama-antennas.com
www.panorama-antennas.com

PANORAMA  *ANTENNAS*