

Vehicle Mount High Gain L-Band Omni

1.15 – 1.4 GHz

VERSION: 1.2

Product Code: OMNI-A0198

SPECIFICATIONS:



Electrical:	
Frequency range	1150 – 1400 MHz
VSWR	< 2:1
Nominal input impedance	50 Ω
Feed power handling	20 W
Gain (typical)	4-5 dBi
Gain (minimum)	3.5 dBi
Elevation 3 dB beamwidth	35 – 55°
Polarisation	Vertical
Azimuth ripple	± 1 dB
Ground plane requirement	Ground plane independent
Mechanical:	
Dimensions (length x antenna diameter)	450 mm x 35 mm
Base diameter	135 mm
Material	Aluminium, stainless steel, fibreglass
Total mass	700 g
Mounting	4-hole and 6-hole NATO
Environmental:	
Temperature range	Storage: -41 °C to +71 °C. Operation -31 °C to +55 °C
Weatherproofing	IP 65 (when flange is mounted)
Shock and vibration	MIL-STD-810E 516.4: Vibration category 8, shock 40 g

PRODUCT FEATURES:

- Collinear design gives better gain than dipole and monopole antennas
- Low VSWR across the band
- Rugged and lightweight

PRODUCT DESCRIPTION:

The OMNI-A0198 utilises a collinear dipole array radiator with integrated balun, making it ground plane independent and suitable for use on any mounting platform. The antenna is designed and intended for use in extreme operational conditions.

APPLICATIONS:

- Communications
- Monitoring

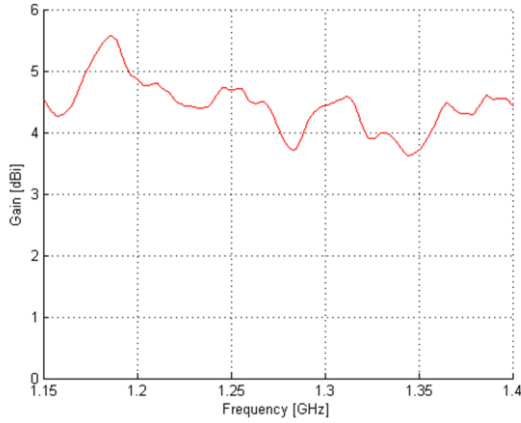
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