

FAA 321

Active HF ferrite antenna



0.5 to 30 MHz

Compact mobile DF antenna

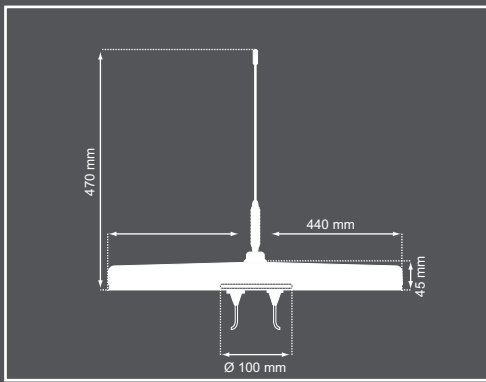
The FAA 321 is an active ferrite antenna, which can be used while moving. It features high bearing accuracy for ground waves within the frequency range from 0.5 to 30 MHz.

By using active circuits, it attains a high degree of sensitivity. Simultaneously the power consumption is low which facilitates battery operation. Special requirements with respect to the dimensions, weight and mobility were the decisive criteria while developing this ferrite antenna. Even if there is less space, it can be easily installed on any platform and camouflaged.

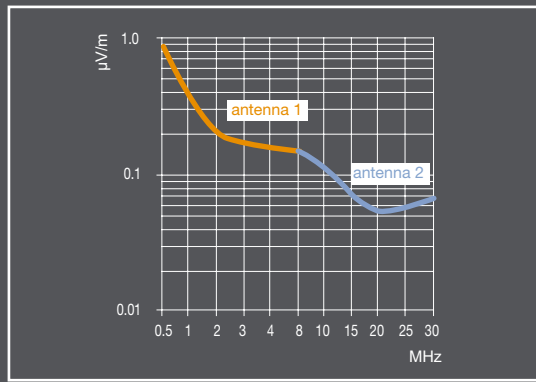


Features

- Specially designed for highly mobile use
- High bearing accuracy and sensitivity
- Low power consumption
- Suitable for camouflaged use



Sketch of FAA 321



Sensitivity of FAA 321 at 1 Hz bandwidth and S/N=0 dB



Adapter to fix the FAA 321 (optional equipment)

Specifications

Characteristics

Frequency range	0.5 to 30 MHz
Antenna range	0.5 to 6 MHz 6 to 30 MHz
Bearing procedure	Watson-Watt
Bearing accuracy	≤ 2° RMS typically in a reflection-free environment
Polarisation	vertical
Nominal impedance	50 Ω

Interfaces

Antenna output	N-f connector
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Environmental data

Permissible temperature range	
Operating	-25°C to +55°C
Storage	-40°C to +75°C
Enclosure	IP 55
Operating voltage	15 VDC
Current consumption	250 mA

Mechanical data

Width	440 mm
Height without rod	45 mm
Height with rod	70 mm
Weight	10 kg

Order reference (installation on top of vehicle) DFA 4123.1

Order reference adapter DFA 4123.1.1