

ACT 291-4

VLF – HF Active antenna

VLF/LF/MF/HF Active Antenna: A very high performance, low profile antenna featuring high field strength resistance and high dynamics while maintaining low noise figure.

Typical use: Surface ships / Embassy/ Receiving system for high constraints.



■ TECHNICAL CHARACTERISTICS

- Low profile (650 mm height),
- Omnidirectional,
- Vertical polarisation,
- High sensitivity,
- High dynamics,
- High field strength capability,
- Protected against nearby lightning,
- Shock and vibrations proof,
- DC supply through coaxial cable,
- Corrosion protected aluminium housing-composite rod.

■ ASSOCIATED EQUIPMENTS

- AL 368-1 115V Power supply,
- AL 368-2 220V Power supply.

TECHNICAL DATA

Frequency range	10 kHz – 30 MHz (70 MHz)
SWR	≤1.7
Nominal impedance	50 Ohms (N female connector)
Antenna factor	16 dB/m
Power supply	48V DC / 400mA
Max output power	+36 dBm
Field sensitivity ((S+N)/N=10dB BP:3kHz)	2 MHz: 3µV/m 30 MHz: 2µV/m
OIP3	+45 / +48 dBm
1 dB comp	60 V/m / 3 MHz 40 V/m / 30 MHz
MTBF	+25°C : 380 000 H +55°C : 246 000 H
Dimensions	
Max. diameter	0.2 m
Height	0.65 m
Effective height (with 50ohms load)	0.16 m
Weight	7 kg
Cage	F8329
NNO	5985-14-563-6379
CE	Compliant

All values are typical