

NAV-ACTIVE Wide Band Active NAVTEX antenna

The NAV-ACTIVE antenna is designed for receive purposes only, it is lightweight and rugged. When using the NAV-ACTIVE antenna with the NAV5 NAVTEX receiver the AAX1 power supply unit provides the necessary power source for the antennas built in amplifier. The antenna is supplied complete with 20 metres of RG 58 coaxial cable, BNC plug and stand off cranked mounting bracket.

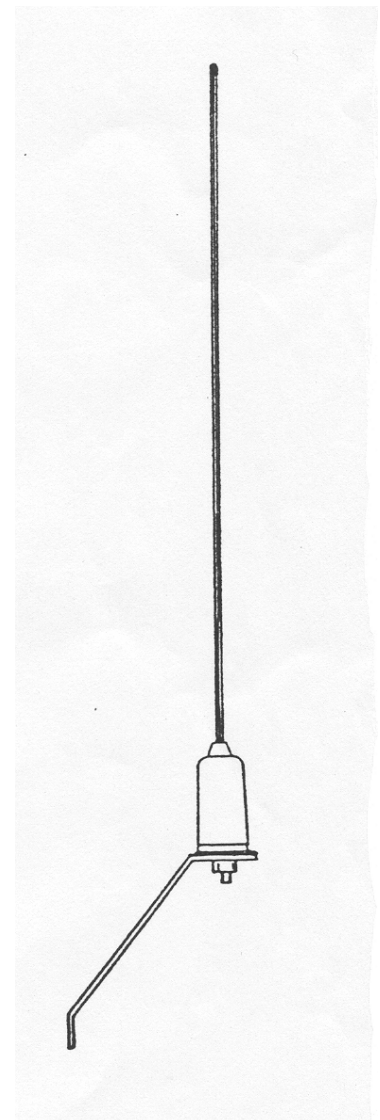
ELECTRICAL

FREQUENCY	50 kHz to 30 MHz
IMPEDANCE	50 Ohms
POWER GAIN	Unity
CABLE	20 metres of RG 58 with BNC plug

MECHANICAL

ELEMENT	Tapered Stainless steel rod
SEALING	Epoxy resin
MOUNTING	M12 stainless steel mounting bolt. Supplied with a 200 mm black metal stand off bracket.
WIND LOADING	@ 160 kph 0.24 Kg.
LENGTH	0.92 metres overall antenna length
WEIGHT	0.97 kg. including 20 metres of cable

All figures and dimensions are nominal.



ICS Electronics Ltd.

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NAV-ACTIVE Antenna DC Power Supply Unit

The AAX1 is used to supply the required d.c. voltage to the NAV-ACTIVE antenna (AA20). The unit is encapsulated in epoxy resin to prevent the ingress of water and is therefore suitable for use in the marine industry. The unit can be mounted vertically or horizontally and can be situated close to the antenna.

AAX1 ACTIVE ANTENNA POWER SUPPLY UNIT

ELECTRICAL SPECIFICATION

FREQUENCY	50 Hz to 30 MHz
IMPEDANCE	50 Ohms
DRIVE CURRENT	3 mA into antenna 42 mA overall
AAX1 INPUT VOLTAGE	10 – 30 V d.c.
PROTECTION	250 mA Fuse Reverse Polarity

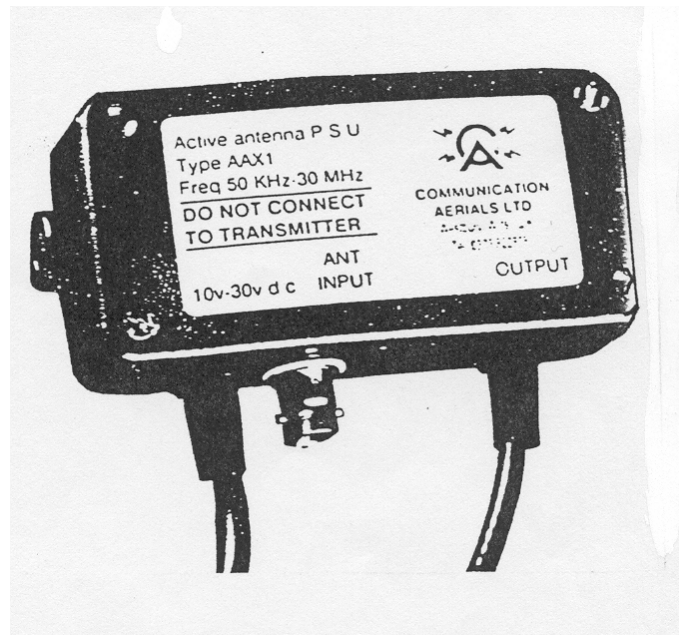
MECHANICAL SPECIFICATION

LENGTH	105 mm
WIDTH	62 mm
HEIGHT	25 mm
WEIGHT	0.25 kg
MOUNTING	2 x No. 6 x 1¼" plated screws (supplied).

CONNECTIONS

D.C. CABLE	Integral 1.5 metres
RF OUTPUT	Free BNC socket on 1 metre of RG 58 coax cable
RF INPUT	Bulkhead BNC Socket

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