



THALES ANTENNAS

GENERAL

Frequency Range

- 10 kHz to 30 MHz

Output Impedance

- 50 ohms unbalanced with a VSWR of 1.3:1

Effective Height

- 0.3 m (±20%)

Linearity

- In a two tone test, the 3rd order intercept point is typically +50 dBm

Noise Factor

- 19 dB (2 MHz) to 16 dB (30 MHz)

Polarization

- Vertical (omni-directional)

Maximum Input Signal

- An unwanted signal of 40 V/m will reduce a wanted signal of 2.5 V/m by less than 1 dB

Power Supply

- 52 V DC nominal via RF coax cable 115/230V AC ±7%, 45-65 Hz

ENVIRONMENTAL/PHYSICAL

Temperature

- Operation: -30°C to +70°C
- Storage: -30°C to +70°C

Environmental

- MIL-STD-810 E and NES1004 standards

Whip Height

- 5.25 ft (1.6 m)

AS200 ACTIVE RECEIVE ANTENNA

Part Number 604818-00

AS200 POWER SUPPLY

Part Number 601042-00



AS200 Receive Antenna

GENERAL

Frequency Range

- 1.8 MHz to 30 MHz

Power Handling

- >125W (antenna coupler dependent)

Size (L x W x H)

- 125.25 x 18.0 x 61.75 in (3.18 x 0.46 x 1.57 m)

Weight

- <200 lbs



NVIS Antenna with TMR4096 Coupler

NVIS ANTENNA

Part Number 700100-398-001

The Thales Maritime NVIS Antenna is a robust NVIS specific antenna designed for use with the Thales TMR4096 125 W Antenna Coupler. Developed in cooperation with the U.S. Coast Guard, this antenna has been deployed on all 378-foot, 270-foot, and 210-foot Cutters as well as the new SENTINEL-Class Fast Response Cutter. The radiating element is constructed from 4-inch OD aluminum tubing for mechanical strength and uses the ship's deck as the reference ground plane to improve efficiency at lower frequencies. The antenna insulated deck mount houses the antenna feed point and is designed to allow installation of the TMR4096 antenna coupler below the mount to minimize the cable length between the coupler and antenna feed point.