

# Cobham AVIATOR HGA-6500

Inmarsat SATCOM High Gain Antenna

**COBHAM**

## Data Sheet

The most important thing we build is trust

### Description

The HGA-6500 is a ruggedized mechanically steered SwiftBroadband, Swift64 and Aero H/H+ SATCOM Antenna. Derived from the successful HGA-6000, the HGA-6500 is specifically designed for external mount on helicopters and slower flying aircraft. The HGA-6500 accepts steering commands directly from any ARINC 741 compatible system. This eliminates the need to install a separate Antenna Control Unit (ACU) or Beam Steering Unit (BSU), reducing system box count, which in turn improves empennage weight distribution and installation simplicity.

### Features

- Smallest swept volume available for a mechanically steered High Gain Antenna
- Higher gain than single helix antenna designs
- Excess gain can be used for longer RF cable runs between antenna and DLNA
- Integral Beam Steering Unit with ARINC 429 interface reduces overall box count
- Ruggedized and qualified for helicopter installation
- Externally mountable with fairing. No additional radome required
- ARINC 741/781 compatible

### Technical Specifications

#### Dimensions

|         | Stand-Alone      | With Adaptor      |
|---------|------------------|-------------------|
| Length: | 256 mm (10")     | 334 mm (13.13")   |
| Width:  | 256 mm (10")     | 290 mm (11.42")   |
| Height: | 247 mm (9.70")   | 258 mm (10.16")   |
| Weight: | 1.8 kg (3.96lbs) | 3.8 kg (8.38 lbs) |

#### Interfaces

|          |                                                                            |
|----------|----------------------------------------------------------------------------|
| RF:      | TNC Male (Stand-Alone + Adapter)                                           |
| Control: | Multi-pin or MXC Female (Stand-Alone)<br>ARINC 741 or SMA Female (Adapter) |

#### Altitude

70,000 ft

#### Temperature Range

-65 to +70 deg C

#### Voltage

28 Vdc

#### Power

22.4 W

#### Qualification

DO-160E

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