

# Cobham AVIATOR HGA-6000

Inmarsat SATCOM High Gain Antenna

**COBHAM**

## Data Sheet

The most important thing we build is trust

### Description

The HGA-6000 is the smallest mechanically steered SwiftBroadband, Swift64 and Aero H/H\* SATCOM Antenna. Specifically designed for mounting under the tail radome of an aircraft, the HGA-6000 is the first antenna of this type to accept steering commands directly from any ARINC 741 compatible Satellite Data Unit. This eliminates the need to install a separate Antenna Control Unit (ACU) or Beam Steering Unit (BSU), reducing system box count, and improving 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
- Lightest High Gain Antenna available on the market

### Technical Specifications

#### Dimensions

Length: 256 mm (10")  
Width: 256 mm (10")  
Height: 246 mm (9.7")  
Weight: 1.8 kg (3.96 lbs)

#### Interfaces

RF: TNC Male  
Control: Multi-pin (MS3476W16-26P)  
MXC Female

#### Altitude

70,000 ft

#### Temperature Range

-65 to +70 deg C

#### Voltage

28 Vdc

#### Power

22.4 W

#### Qualification

DO-160D

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