

# Cobham AVIATOR IGA-5001

Inmarsat SATCOM Intermediate Gain Antenna

**COBHAM**

## Data Sheet

The most important thing we build is trust

### Description

The IGA-5001 is a fuselage mount electronically steered, phased array antenna. It is a rugged and reliable product gaining from the field experience of the HGA-7000 and HGA-7001, the latter being the antenna of choice on new air transport aircraft. It is fully compliant with the Inmarsat SDM and is considered to be the optimum antenna solution for Inmarsat's SwiftBroadband Class 7 service. It is by far the smallest Intermediate Gain Antenna certified for both single and multi-channel operation. Partnered with Cobham's AVIATOR range, it makes a compelling case for moving Inmarsat voice and data services onto smaller aircraft types.

### Features

- Low profile
- Small footprint
- Solid state highly reliable design
- Integrated GPS antenna
- TSO-C132 certified
- Fuselage mount with simple connection via two TNC Bulkhead feedthroughs
- Over 60% smaller and 34% lighter than its nearest competitor

### Technical Specifications

#### Dimensions

Length: 581 mm (22.87")  
Width: 175 mm (6.89")  
Height: 49 mm (1.93")  
Weight: 3.5 kg (7.7 lbs)

#### Interfaces

RF: TNC Male  
Control: TNC Male

#### Altitude

70,000 ft

#### Temperature Range

-65 to +70 deg C

#### Voltage

28 Vdc

#### Power

7 W

#### Qualification

DO-160F  
DO-178B level D

#### Certification

802-10-0010: FAA TSO 10 March 2010

For further information, please contact:

Cobham SATCOM, Cape Town

Tel: +27 21 700 7000

Fax: +27 21 700 7199

Email: [satcom.capetowninfo@cobham.com](mailto:satcom.capetowninfo@cobham.com)

or :

Distributed By:

