

Cobham AVIATOR HGA-7001

Inmarsat SATCOM High Gain Antenna

COBHAM

Data Sheet

The most important thing we build is trust

Description

The HGA-7001 is a fuselage mount phased array antenna for use with Inmarsat Classic Aero (H/H+), Swift64 and SwiftBroadband SATCOM systems. The antenna complies with ARINC 781 and can operate with both ARINC 741 and ARINC 781 compliant avionics (Satellite Data Units). A removable tail cap allows access to the connector compartment. In cooperation with various airframe manufacturers, a range of RF-matched mounting/adaptor plates have been designed for both fixed and flexible installations.

Features

- ARINC 781/741 compliant
- Inmarsat SBB 7th order PIM compliant
- Inmarsat Type Approved
- Integrated Beam Steering Unit (BSU)
- Wideband frequency AC power
- DC Power
- Low profile
- RF matched mounting plate options
- Used on a range of air transport aircraft
- Seamless coverage over Inmarsat defined hemisphere

Technical Specifications

Dimensions

Length: 1050 mm (41.34")
Width: 299 mm (11.77")
Height: 51.6 mm (2.03")
Weight: 9.3 kg (21 lbs)

Interfaces

RF: TNC Female
Control: Multi-pin male (MIL-C-38999 series III)

Altitude

70,000 ft

Temperature Range

-65 to +70 deg C

Voltage

28 Vdc; 115 Vac

Power

20 W

Qualification

DO-160E
DO-178B Level D

Certification

677-A0173: ZA TSO 4 April 11
804-10-0015: FAA TSO 11 October 07

Airframe approvals

Boeing B777, B747, B767, B787 and B737
Airbus Single Aisle family (A318, A319, A320 and A321)
Airbus Long Range (A330 and A340)
Airbus 380
A400M (pending)
A350 (pending)

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