

HGA-7000

Inmarsat Satcom High Gain Antenna

COBHAM

Data Sheet

The most important thing we build is trust

Description

The HGA-7000 is a phased array fuselage mount high gain antenna. Its low profile and small footprint make it suitable for installation on air transport aircraft and business jets. The antenna meets the ARINC 741 standard and is type approved by Inmarsat for use with Classic Aero (H/H⁺), Swift64 and SwiftBroadband. A unique interface with the Beam Steering Unit (BSU) offers simple through fuselage connectivity. A range of mounting and adapter plates allows simple and flexible installation across a diverse range of airframes.

Features

- ARINC 741 compliant
- No coverage keyholes
- Low profile
- Small footprint
- Effective low elevation multi-path rejection
- Qualified for rotorcraft installations
- Solid state highly reliable design
- Interface via two coaxial connectors

Technical Specifications

Physical

Length : 861 mm (33.9")
Width : 299 mm (11.77")
Height : 48.4 mm (1.92")
Weight : 8.8 kg (19.4 lbs)

Interfaces

RF: TNC Male
Control: TNC Male
Power: 28 Vdc (nominal) at 800 mA

Qualification

DO 160D: [E1]XABB[U(FF1)R(CC1EE1)S(LM)]
XSFDZSXAC[TY]H[A3E3][2A]AAX

Certification

677-A0106: ZA-CAA PMA ZA-PMA/546/004
27 July 2005
804-10-0001: FAA PMA ref: PQ0780SW
17 November 2005

Inmarsat approvals

Service coverage: 79.7%

Type Approval: 0304004RH.L01
07 April 2003 &
AHCH02
26 October 2005

SBB Assessment: Multichannel 7th Order PIM

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