

# HGA-8000

Inmarsat Satcom High Gain Antenna

**COBHAM**

Data Sheet

The most important thing we build is trust

## Description

The HGA-8000 High Gain Antenna is a circular phased array fuselage mount Inmarsat antenna designed to fit on a hatch cover of the C-130 transport aircraft. It is also in use on military helicopters, where the low profile is a key requirement and gives a distinct advantage over its competitors. The antenna is fully compatible with ARINC 741 standards and is compliant to Classic Aero (H/H<sup>+</sup>), Swift64 and SwiftBroadband Satcom System specifications.

## Features

- Seamless coverage over Inmarsat hemisphere
- Low profile
- Small footprint
- Effective multi-path rejection at low elevation
- Qualified for rotor craft installations
- Solid state highly reliable design
- Two coaxial bulkhead connections
- Weight of only 17.6 lb or 8 kg

## Technical Specifications

### Physical

Length : 514.2 mm (20.24")  
Width : 514.2 mm (20.24")  
Height : 48.4 mm (1.92")  
Weight : 8 kg (17.6 lbs)

### Interfaces

RF: SMA Female  
Control: SMA Female  
Power: 28 Vdc (nominal) at 800 mA

### Qualification

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

### Certification

Typically military applications

### Inmarsat approvals

Service coverage: 79.3%

Type Approval: 081004DT.L01  
08 October 2004

Antenna Assessment: Multichannel AHCH03

For further information, please contact:

Cobham SATCOM  
PO Box 31093  
Tokai 7966  
Cape Town, South Africa  
Tel: + 27 21 700 7000  
Fax: + 27 21 700 7199  
Email: [satcom.capetowninfo@cobham.com](mailto:satcom.capetowninfo@cobham.com)  
or:

Distributed By:

