

IGA-5006

Inmarsat Satcom Intermediate Gain Antenna

COBHAM

2009 Data Sheet

The most important thing we build is trust

Description

The IGA-5006 antenna is a 2-axis mechanically steered fuselage antenna. It has integrated navigation sensors allowing installation in an aircraft with no IRS, AHRS or other navigation systems. It is widely used in Aero Mini-M and Aero-I systems and is a workhorse of the Inmarsat Aero World. The IGA-5006 is ideal for single channel SwiftBroadband system applications where size and weight need to be optimized, and cost minimised. A range of custom adaptor plates are available to simplify installation design and planning.

Features

- 2-Axis mechanically steered antenna
- Fuselage or Tail-cap mounting
- Integrated sensors for autonomous steering (no AHRS/IRS input required)
- Integrated GPS antenna
- Simple installation
- Proven design

Technical Specifications

Dimensions

Length : 560 mm (22.05")
Width : 150 mm (5.9")
Height : 124 mm (4.88")
Weight : 2.3 kg (5 lbs)

Interfaces

RF: TNC Male
Control: TNC Male
Power: 15 to 30 Vdc (nominal) 15 W Max

Qualification

DO 160D: E1ACE[R(C,C1)S(L,M)]XSFD FSABBBA
[VYX]H[A2E1][2A]AA

Certification

677-A0002: ZA PMA/546/001

Inmarsat approvals

Service coverage: 87.9%

Type Approval: AICH01
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SBB Assessment: Single Channel
AICH01

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
or:

Distributed By:

