

# DAU-7060

Inmarsat Satcom Diplexer/Low Noise Amplifier

**COBHAM**

Data Sheet

The most important thing we build is trust

## Description

The DAU-7060 DLNA separates transmit and receive signals and amplifies the received signal. It ensures that specified signals in the transmit band from the HPA are transmitted to the antenna and minimal power leaks into the receive band Low Noise Amplifier (LNA). It also filters specified unwanted harmonics generated in the HPA, preventing interference with other systems. It is ARINC 741 compliant and can be used with Aero H/H+, Swift64 and SwiftBroadband systems.

## Features

- Flexible installation, no special alignment requirements
- Can be mounted in non-pressurized environment
- Suitable for use with SwiftBroadband avionics giving < -38 dBc at 3rd order inter-modulation products
- ARINC 741 Modified Type A with reduced insertion loss at low end of Tx Band
- Full Inmarsat TX and RX Band filtering for use with SwiftBroadband

## Technical Specifications

### Dimensions

Length : 280 mm (11.02")  
Width : 197 mm (7.75")  
Height : 47 mm (1.85")  
Weight : 2.6 kg (5.7 lbs)

### Interfaces

RF: TNC Female  
Tx: N-Type Female  
Rx: TNC Female  
Control: Multi-pin (MS3112E12-10P)  
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28 Vdc @ 150 mA,  
115 Vac / 400 Hz @ 100 mA RMS

### Qualification

DO 160D: F2,X,F2,A,B,B,[U(G),R(E,E1)(S(LMY)),E,  
W,X,X,F,X,A,[A(WF),A],A,[K(WF),R],  
[ZW,ZC]GFR,H,A3J44,X,A,A,X

### Certification

804-10-0017: FAA TSO

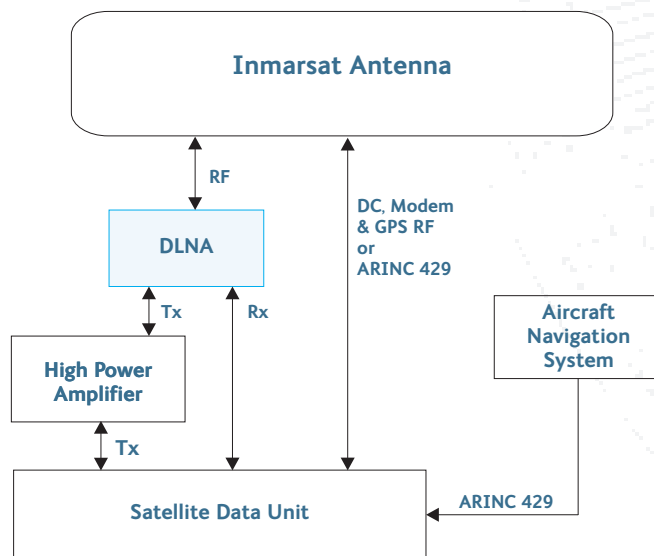
### Inmarsat approvals

Type Approval: DTACH01  
28 May 2008

SBB Assessment: Multichannel  
Avionics to provide 3<sup>rd</sup> order  
Inter-Mod @ < -38 dBc

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