

# SRU-7200

Satcom Reference Unit

**COBHAM**

2009 Data Sheet

The most important thing we build is trust

## Description

The SRU-7200's primary function is to determine aircraft attitude. This information is required by Satcom Systems for antenna steering, and is normally obtained via an ARINC 429 interface from the Inertial Reference System (IRS) of the aircraft. The SRU-7200 may be used instead of or in the absence of an IRS to make the Satcom system independent of the aircraft systems. To obtain aircraft position, the SRU is aided by an external GPS. GPS information is provided via a proprietary RS-422 interface from the BSU-7100 Beam Steering Unit or SDU-7300 Satellite Data Unit.

## Features

- 3-Axis Magnetometers
- 3-Axis Accelerometers
- 3-Axis Rate Sensors
- Flexible mounting options
- Has the option of using an external magnetometer unit (MSU-7250)
- Can be configured for specific aircraft installations
- Simple software for installation and calibration

## Technical Specifications

### Dimensions

Length : 170 mm (6.69")  
Width : 162 mm (6.38")  
Height : 49 mm (1.89")  
Weight : 1.3 kg (2.9 lbs)

### Interfaces

All digital: Multi-pin (MS3112E20-41P)  
Power  
ARINC 429  
Diagnostics  
28 Vdc @ 900 mA

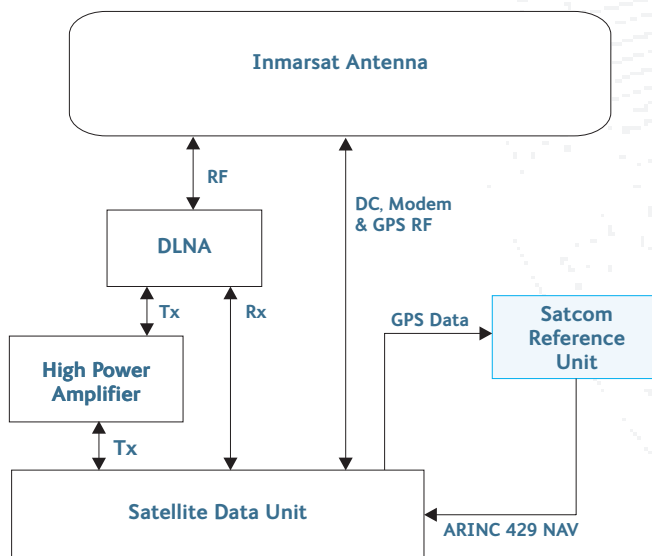
### Qualification

DO 160D: [C4]XBBB[U(F,F1)R(C,C1)S(L,M)]EWF  
FXZ[B,A]AAC[TT]H[A3E3]XAA

### Certification

677-A0132: Russian IAC PMA  
СГ К И-023-171

ZA CAA PMA/546/004



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