

## **ALB290 Series**

**Agilis** 

Compact 600W / 700W C-Band High Power Block-Up Converter

This compact design BUC is ideal for mobile and satellite uplink applications.

The BUC has excellent efficiency and consumes less power. Innovative and efficient thermal design makes this BUC one of the smallest in the industry.

Built-in redundancy-ready feature eliminates the use of an external controller for 1:1 redundancy operation. This eliminates messy cabling at the antenna making this a very elegant solution.

Extensive M/C interface with RS232/485, Ethernet (SNMP & HTTP) and Wifi.

#### Features

- Compact and lightweight
- Available for all C-Band frequencies
- · Forward & reverse power detection facility
- Input power detection facility
- Intuitive monitoring & control through RS232/485, Ethernet (SNMP & HTTP)
- · Automatic fault identification & alarm generation
- · Temperature compensation facility
- · Built-in redundancy facility
- Built-in 10MHz reference with auto-detection
- Built-in harmonics reject filter
- Sample port for output monitoring
- Wide operating temperature range -40°C to +60°C
- RoHS Compliant
- Waterproof

#### **Quality Assurance**

100% of all BUCs go through stringent quality checks in addition to well defined Electrical Stress Screening to ensure operation in harsh outdoor environments. The BUCs are also subjected to seal test for water ingress verification.

#### Reliability

Field proven under harsh environment conditions, Agilis ODUs can withstand temperature ranging from -40°C to +60°C with up to 100% humidity.

#### Frequency Band

#### INTELSAT

LO : 7375MHz / 4900MHz IF : 950 to 1525MHz

- Tx : 5.850 to 6.425GHz
- FULL C
- LO : 7675MHz / 4900MHz IF : 950 to 1825MHz Tx : 5.850 to 6.725GHz

Table 1

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### **Technical Specifications**



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