

# Low Noise Block (LNB)

## LNB Redundant System



### ◆ Company Overview

RevGo designs and manufactures satellite earth station RF from low to medium power. RevGo was founded in 2002 with its headquarters in the Washington DC corridor. RevGo's broad VSAT product line is produced to stringent quality standards using an ISO9001:2015 quality system:

- Block upconverter (BUC)
- Low noise block (LNB)
- Transceiver (Tx/Rx/OMT/filters)
- C-, Ku-, DBS-, Ka-bands
- 2 to 300W output power

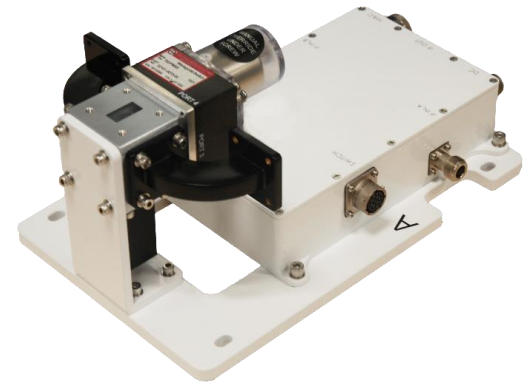
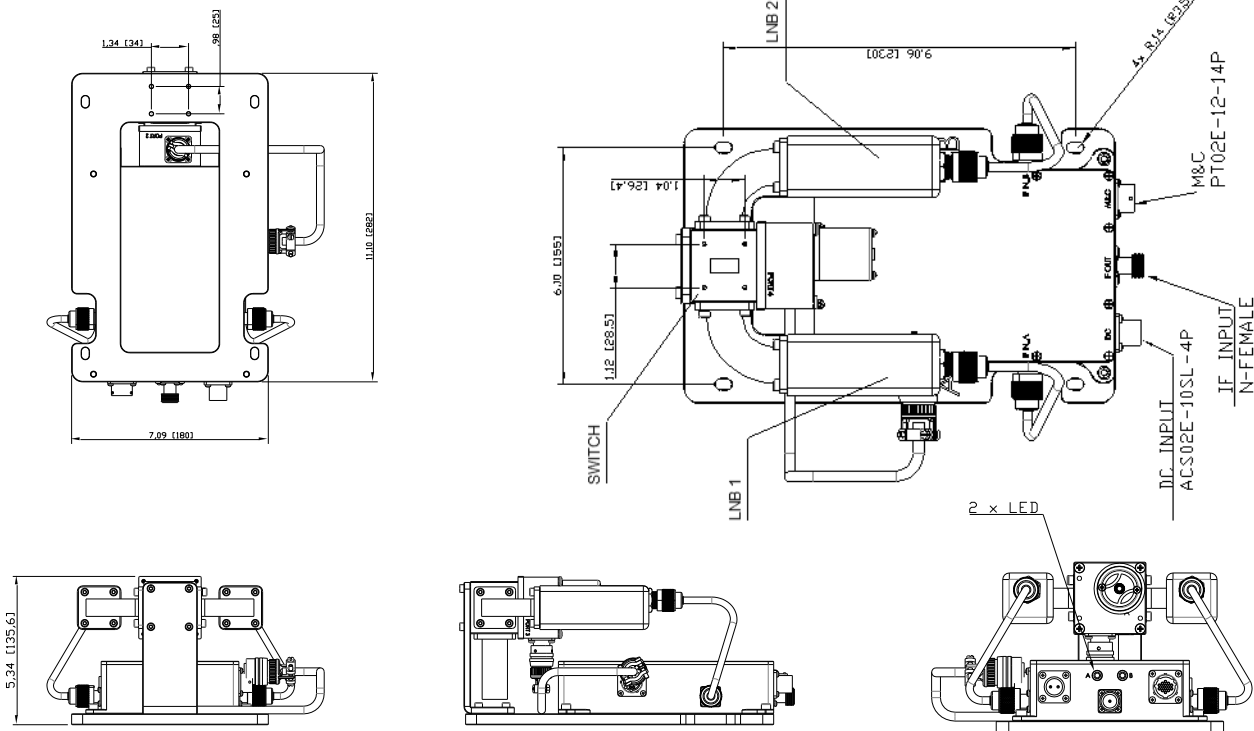
### ◆ Reliability

- Highly integrated RF technologies (RFIC and GaN)
- Designed for high volume production
- Strict quality control processes resulting in <0.25% field failure rates

### ◆ Product Features

- Support multiple switching methods: Auto/Manual (backup mode)
- Internal and external reference self-adaptive
- Web GUI remote control
- Rugged design for extreme environments (-40 to +60°C)

### ◆ Mechanical Diagram (Unit: inch (mm))



### ◆ Main components

- Waveguide switch x 1
- Controller x 1
- Waveguide x 2
- Bracket x 1
- Cables

### ◆ Typical VSAT Applications

- Maritime
- 5G Backhaul
- SNG vehicle
- Terminals
  - Fixed
  - Portable
  - Transportable

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### SPECIFICATIONS

#### ◆ Controller parameters

Operation frequency	950-2150 MHz
IF input connector	N-type connector
IF output connector	N-type connector
Power supply	+11 ~ +24 VDC
Power supply interface	ACS02E10SL-4P
Power consumption	8 W
M&C Interface	PT02E-12-14P,RS232, RS485, Ethernet
M&C function	Current monitor; Remote control; Alarm

#### ◆ RF Specifications

Input VSWR	1.1 : 1
Insertion loss	0.5dB
Isolation	75 dB min.
Switch control	MS3116F10-6P
Switching time	80 ms
Waveguide interface	WR75-G (Grooved)
LNB interface x2	WR75

#### ◆ Physical Parameters

Size	282 x 180 x 35 mm
Weight	3.5 kg (Excluding LNB)
Operation temperature	-40 to +60 °C
Humidity	0-100% (Condensing)
Altitude	0-40,000 feet ASL
Water-proof Class	IP 65

#### ◆ Part Number / Ordering Information

RGLA-KULNBRK-B0

#### ◆ Contact Information

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