

# ELSAT® Baby BUC C / SEC-Band 5 watt



C-Band OMT shown for size comparison

## ELSAT Baby BUC

ANACOM's ELSAT® Baby BUCs provide the **small mounting size** needed by most mobile and fly-away antennas.

- the **high output powers** needed for higher data rate on the smaller mobile and fly-away antennas.
- the **high reliability** needed for the rugged mobile and fly-away operations with extreme weather and high vibrations.
- ideally suited for SCPC, TDMA and DAMA applications to transmit Voice, Video and Data.
- designed to interface with most L-band modems, the ELSAT® Baby BUCs may be used in a wide variety of communication networks.

### Features

- Small size and light weight
- High output power
- Rugged build for mobile applications
- Feed mountable
- Vibration resistant
- Weather resistant
- Low cost
- Wide DC input range
- Superior phase noise
- Stable fixed gain Block Up-Converter
- FSK over IFL cable

### Flexible Applications

- News gathering
- Emergency Response Service
- Video conferencing
- Industrial networking
- LAN and WAN extensions
- Data collection
- Data distribution
- Conventional voice or VoIP traffic
- Broadcast
- Point-of-sales systems
- Rural telecommunications expansion
- Remote surveillance

### Compact, Functional Design

The ELSAT® Baby BUC includes an L-band to RF up-converter, a solid-state power amplifier (PA), and the power supply, all in a simple outdoor-unit providing excellent functionality with high reliability in a wide range of environments. Optional M&C is available.

### Benefits

- The family of ELSAT® Baby BUC products is designed to have significant commonality to minimize demands for training and spares.
- The ELSAT® Baby BUCs are designed for maintenance free operations.
- Designed to be mounted on most antennas, fixed or mobile.
- Simple installations

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an evolution in communication

**BUY NOW**

# ELSAT® - C / SEC

# SPECIFICATIONS

## TRANSMIT CHARACTERISTICS

1 dB COMPRESSION POINT  
TX GAIN (Fixed)  
GAIN FLATNESS over FULL BAND  
TX INPUT IF FREQUENCY  
TX INPUT IF INTERFACE  
TX OUTPUT FREQUENCY  
TX OUTPUT INTERFACE  
TX PHASE NOISE

## 5 Watts

37 dBm  
67 dB  
4 dBp-p max  
C-Band: 950 to 1,525 MHz, SEC-Band: 950 to 1825 MHz  
50 ohms N-Type Female  
C-Band: 5.85 to 6.425 GHz, SEC-Band: 5.85 to 6.725 GHz  
WR-137G  
-60 dBc/Hz max @ 100Hz  
-70 dBc/Hz max @ 1KHz  
-80 dBc/Hz max @ 10KHz  
-90 dBc/Hz max @ 100KHz  
-50 dBc max, +/- 500 Hz: - 45 dBc

## SPURIOUS

## EXTERNAL REFERENCE

Requirements  
FREQUENCY  
INPUT POWER  
PHASE NOISE

Provided on TX IFL  
10 MHz  
-12 dBm to +5 dBm @ 50 ohm (at input port)  
-130 dBc/Hz max @ 100Hz offset  
-140 dBc/Hz max @ 1KHz offset  
-145 dBc/Hz max @ 10KHz offset  
-150 dBc/Hz max @ 100KHz offset

## SYSTEM

ALARMS  
POWER

FSK over IFL  
15-24V DC over IFL

## ENVIRONMENTAL

TEMPERATURE

-40 to +50°C operational  
-40 to +75°C storage

ALTITUDE  
RAIN  
WIND  
VIBRATION  
SHOCK

10,000 ft (3,048 meters) max  
20 inches per hour  
150 miles per hour  
1.0 g random operational, 2.5 g random survival  
10 g operational, 40 g survival

## POWER & DIMENSIONS

TYPICAL POWER CONSUMPTION  
WEIGHT  
DIMENSIONS

55 Watts  
13 lbs (6 kg)  
6.25" x 13.25" x 4"

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All specifications subject to change.



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