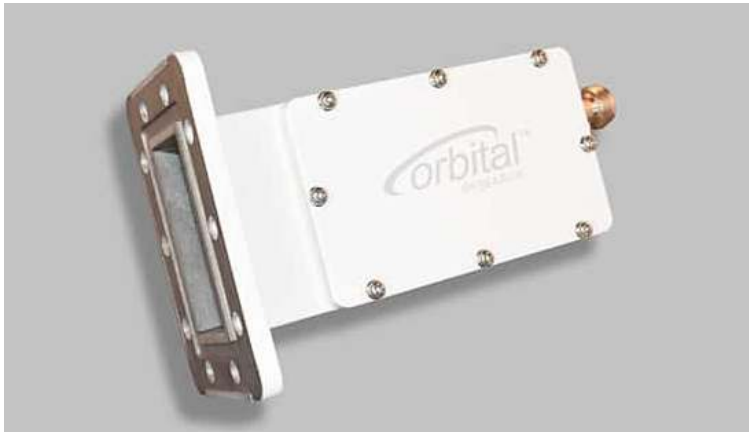
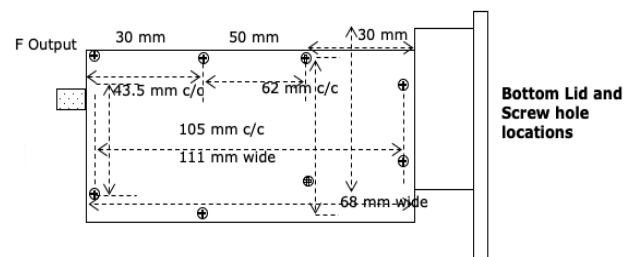
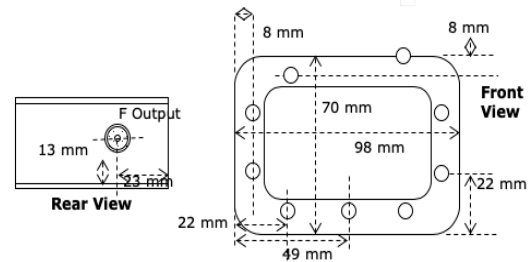
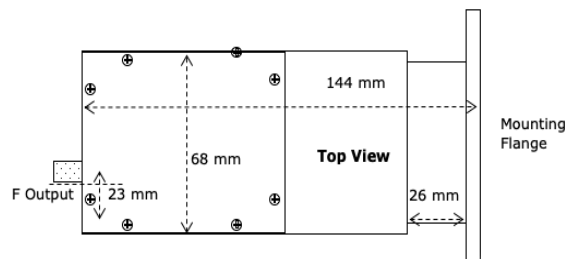
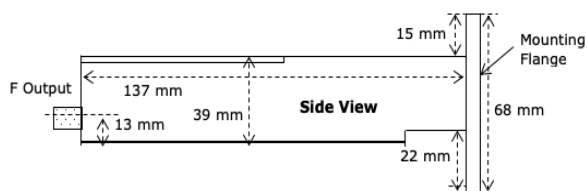




## 3300 Off-the-Shelf C-Band PLL LNB



The Orbital 3300 C-Band Phase Locked Loop (PLL) LNB is a high-quality entry-level unit with good stability and noise temperature. It offers frequency ranges from 3.40 GHz to 4.20 GHz and bandwidth between 500 MHz and 800 MHz. Excellent gain flatness, a superior noise figure, and an economical price make this PLL LNB a perfect choice for traditional C-band applications like video – especially in rainy regions



## FREQUENCY RANGE

RF Frequency Band (GHz)	3.4 to 4.2
IF Frequency Band (MHz)	950 to 1750
Bandwidth (MHz)	500, 575 or 800
Local Oscillator (GHz)	515
Noise Figure (dB)	25k @ 25C
LO Stability	+/- 5 kHz over temperature
LO Phase Noise	-80 dBc/Hz @ 1 kHz

## VSWR

Input	3.0:1 nominal
Output	2.5:1 nominal

## GAIN

Gain (dB)	60 nominal
Ripple	+/- 1 dB over any 36 MHz

## OTHER SPECS

Image Rejection	> 45 dBc max
1 dB Compression (dBm)	+10 dBm min
OIP3 (dBm)	+20 dBm min

## ENVIRONMENTAL

Operating Temp	-40C to +60C
Non-Operating Temp Range	-40C to +60C
Humidity	100% condensing
MTBF	> 700,000 hours
Standards	RoHS and REACH

## POWER

Current Draw	250 mA max
Input Voltage Range	+12 to + 24 VDC

## MECHANICAL

Weight (grams)	500
Length (mm)	144
Width (mm)	68
Depth (mm)	39
Input Connector	WR-229G
Output Connector	F, N

Please contact Orbital Research for ordering information: [sales@orbitalresearch.net](mailto:sales@orbitalresearch.net)