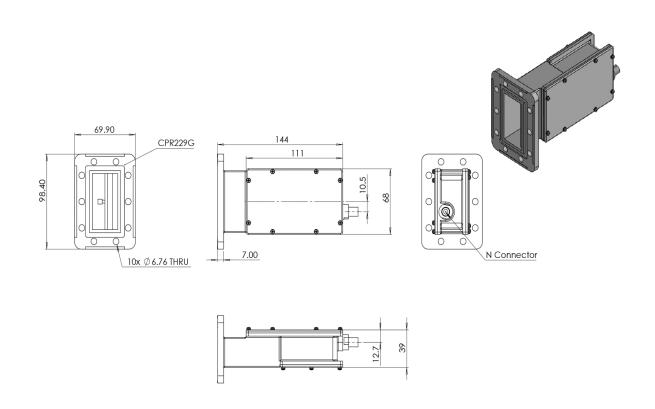


Orbital 3400X Off-the-Shelf External Reference C-Band LNB



This external reference C-band LNB delivers excellent phase noise and local oscillator (LO) stability. It operates from 3.40 to 4.20 GHz, provides 60 dB of gain and delivers a noise temperature of 25K. Built for professional SATCOM and available in 500, 600 and 800 MHz bandwidths, this high-quality off-the-shelf LNB is perfect for most C-band applications – particularly where rain fade is a concern.

- Professional C-band LNB at an entry-level price
- External 10 MHz reference
- Superior noise figure and gain flatness
- Excellent choice to mitigate rain fade



MODEL NUMBER: 3400X SERIES



300 mA max

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	Locked to external reference	
LO Phase Noise	Locked to external reference	

IF Frequency Band (MHz)	950 to 1750	Input Voltage Range	+12 to + 24 VDC
Bandwidth (MHz)	500, 575 or 800		
Local Oscillator (GHz)	515	MECHANICAL	
Noise Figure (dB)	25k @ 25C	Weight (grams)	580
LO Stability	Locked to external reference	Length (mm)	144
LO Phase Noise	Locked to external reference	Width (mm)	68
		Depth (mm)	39
		Input Connector	WR-229G
10 MHz REFERENCE		Output Connector	F, N
Insertion	via input connector		

POWER¹

Current Draw

VSWK	
Input	3.0:1 nominal
Output	2.5:1 nominal @ 75 Ohm
GAIN	
GAIN Gain (dB)	60 nominal

-8 to 0 dBM

Level

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 +70C
Humidity	100% condensing
MTBF	> 700,000 hours
Standards	RoHS and REACH

Please contact Orbital Research for ordering information: sales@orbitalresearch.net