



# LNB

## KU-BAND 1000XAIR

### AIRBORNE EXT. REF.



### FEATURES

Developed with our airline industry partners, the 1000XAIR dual band LNB is ideal for commercial, business, and military applications. The 1000XAIR is a reliable and flexible solution designed to meet the unique needs of airborne environments. Features include:

- Dual band, multiple L.O.
- Fully customizable for frequency and form factor
- Certified for airborne applications

### TYPICAL SPECIFICATIONS

<b>Noise figure</b>	0.8 dB
<b>L.O Stability</b>	Phase locked to ext. ref.
<b>Phase noise (SSB)</b>	-75 dBc/Hz at 1 kHz -85 dBc/Hz at 10 kHz -100 dBc/Hz at 100 kHz
<b>Input VSWR</b>	1.9 : 1
<b>Output VSWR</b>	2.0 : 1
<b>Gain Flatness over 36 MHz Full BW</b>	+/- 0.4 dB +/- 3.0 dB
<b>Gain Variation over temp. (at fixed frequency)</b>	+/- 3.0 dB

### FREQUENCY BANDS

<b>Input frequency (GHz)</b>	Band 1: 10.7 – 11.7 GHz Band 1: 11.7 - 12.75 GHz
<b>L.O. frequency (GHz)</b>	Band 1: 9.75 GHz (13VDC), Band 2 :10.75 GHz (18VDC)
<b>Output frequency (MHz)</b>	Band 1: 950 – 1950 MHz Band 2: 950 – 2000 MHz

<b>Conversion gain</b>	65 dB
<b>Output P1dB</b>	> 10 dB
<b>Power Requirements</b>	Band 1: 13 V Band 2: 18 V
<b>Current drain</b>	460 mA
<b>Input waveguide</b>	WR-75
<b>Temperature range</b>	-55 to +70 deg C
<b>Dimensions</b>	3.32L X 3.53H X 1.83H inches 84 x 90 x 46 mm
<b>Weight</b>	23 OZ / 650g
<b>Ext. Ref. Frequency</b>	10MHz

### HOW TO ORDER

# 1000XAIR

LNB SERIES #