



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

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

FREQUENCY BANDS

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

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

HOW TO ORDER

1000XAIR

LNB SERIES #

