



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 #

Request A Quote