

Ku-Band DRO LNB 2000 Series

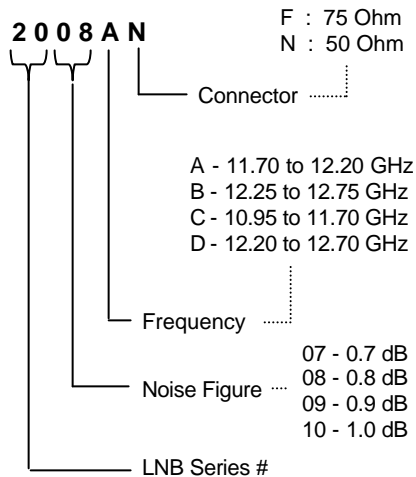
LNB



The Norsat 2000 Series LNB is a good performing LNB for demanding applications.

A solid quality LNB for use in analog and digital video applications.

How to Order a 2000 Series LNB



Norsat Advantages

- Norsat 2000 Series LNBs are graded by Noise Figure to provide the perfect balance between required performance and cost
- Compact to fit in smaller enclosure, reduce wind profile
- Proven reliability for lower lifetime costs
- Good Phase Noise for digital video

Norsat Ku-band DRO LNB Product Line

| | 2000 | 4000 |
|------------------|------------------|------------------|
| Noise Figure | 0.7dB to 1.0dB | 0.6dB to 0.8dB |
| Input VSWR | 3.5:1 | 2.5:1 |
| LO Stability | ±750 to ±900kHz | ±150 to ±500kHz |
| Phase Noise | -60dBc/Hz @ 1kHz | -65dBc/Hz @ 1kHz |
| Output Connector | N or F | N or F |

Corporate Information For additional information or details on Norsat's product offering, please contact us at:

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Norsat 2000 Series Specifications

Electrical Specifications

RF Input Frequency

- 2000A: 11.70 to 12.20 GHz
- 2000B: 12.25 to 12.75 GHz
- 2000C: 10.95 to 11.70 GHz
- 2000D*: 12.20 to 12.70 GHz

Input VSWR

- 3.5 : 1 maximum

IF Output Frequency

- 2000A: 950 to 1450 MHz
- 2000B: 950 to 1450 MHz
- 2000C: 950 to 1700 MHz
- 2000D*: 950 to 1450 MHz

Output VSWR

- 2.5 : 1 maximum, 75 Ohms
- 2.5 : 1 maximum, 50 Ohms

Gain

- 52 dB minimum
- 63 dB maximum

Gain Stability

- 4 dB p-p maximum over frequency band
- 6 dB p-p maximum over temperature and frequency

Gain Flatness

- 1 dB p-p maximum per 27 MHz segment

1 dB Gain Compression Point

- +0 dBm minimum

Noise Figure

- 0.7 to 1.0 dB depending on model number

Image Rejection

- 40 dB minimum

Local Oscillator Frequency

- 2000A: 10.75 GHz
- 2000B: 11.30 GHz
- 2000C: 10.00 GHz
- 2000D*: 11.25 GHz

Local Oscillator Stability

- ± 750 kHz to ± 900 kHz typical

* 2000D has a slightly different housing

Mechanical Specifications

Input Interface

- WR-75 Waterproof (Mated with matching flange and O-ring)

Output Interface

- F-Type, 75 Ohm, Female Waterproof
- N-Type, 50 Ohm, Female Waterproof

Size*

- 79.5 (L) x 41 (W) x 41 (H) mm
- 3.1 x 1.6 x 1.6 in

Weight

- 150g / 5.3 oz

Environmental Specifications

Operating Temperature

- -40 to +60 degrees Celsius

Thermal Gradient

- -40 degrees Celsius/Hour

Relative Humidity

- Up to 100% condensation and frost

Power Requirements

Input DC Voltage

- +15 to 24 V supplied through centre conductor of IF cable

Current Drain

- 200 mA maximum, 110 mA typical

