



Norsat[®]
International Inc.

C-Band DRO LNB 8700L Series

LNB

The 8700L series is a high quality, low cost C-band DRO LNB.

The 8700L Series is designed to provide commercial quality for V SAT and select digital applications such as:

- Higher data rate digital video, or commercial analog
- SCPC digital or analog audio applications
- Any SCPC data rate above 1 Mbps

Electrical Specifications

RF Input Frequency

- 3.4 to 4.2 GHz

Input VSWR

- 2.1 :1 typical

IF Output Frequency

- 950 to 1750 MHz

Output VSWR

- 2.5 : 1 maximum at 75 Ohms

Local Oscillator Frequency

- 5.15 GHz

Local Oscillator Stability

- ± 750 kHz max.

Local Oscillator Phase Noise (Typical)

- -60 dBc/Hz @ 1 kHz
- -80 dBc/Hz @ 10 kHz
- -100 dBc/Hz @ 100 kHz

Gain

- 60 dB typical

Noise Temperature

- 30K max. @ +23°C

Mechanical Specifications

Input Interface

- CPR-229G Waterproof (Mated with matching flange and gasket)

Output Interface

- F-Type, 75 Ohm, Female Waterproof

Size

- 180 x 100 x 70 mm; 7.1 x 3.9 x 2.8 in

Weight

- 425g / 15 oz maximum

Paint / Colour

- White

Power Requirements

Input DC Voltage

- +15 to 20 V supplied through centre conductor of IF cable

Current Drain

- 200 mA maximum

Environmental Specifications

Operating Temperature

- -40 to +50 degrees Celsius

Relative Humidity

- Up to 100% condensation and frost

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

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