



NORSAT PLL LNB 3220

3220 - C-Band PLL LNB 20K +/- 10 kHz

Norsat's premium quality C-Band PLL LNB, the preferred LNB for all C-Band applications. The 3000 Series is designed to provide higher performance for VSAT and select digital applications.

Features:

- Input Frequency 3.4 - 4.2 GHz
- Output Frequency 950 - 1750 MHz
- Low data rate digital video
- A reference LNB for Rx test and service
- SCPC digital or analog audio applications
- Low speed SCPC data from 19.2 Kbps to 512 Kbps, or any higher data rate
- LO Stability +/- 10 kHz
- Noise Temperature 20K
- Type F Output Connector

Other models of Norsat 3000 series LNBs can be selected from the related products listed below.



LNB C-BAND PLL 3000 HIGH STABILITY



TYPICAL SPECIFICATIONS

Noise temperature	20K to 30K depending on model number
L.O. stability (over temperature excl offset)	±2 kHz to ±25 kHz depending on model number
Phase noise (SSB)	-80 dBc/Hz at 1kHz -85 dBc/Hz at 10kHz -95 dBc/Hz at 100kHz
Input VSWR	2.2 : 1
Output VSWR	2.2 : 1

Conversion gain	62 dB
Output P1dB	9 dBm
Power requirements	+12 to +24 V supplied through center conductor of IF cable
Current drain	250 mA
Input Waveguide	CPR229G
Dimensions	144 (L) x 70 (W) x 98 (H) mm (5.7 x 2.8 x 3.9 in)
Weight	500 g / 17.6 oz
Temperature Range	-40°C to +60°C
Relative Humidity	0 - 100% condensing

FREQUENCY BANDS AVAILABLE

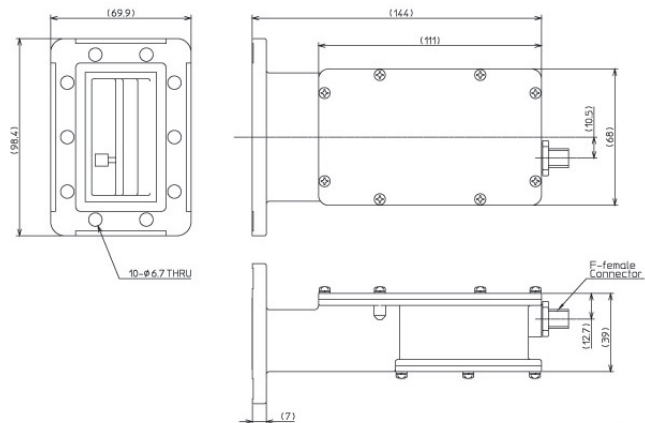
Input frequency (GHz)	3.40 to 4.20
L.O. frequency (GHz)	5.15
Output frequency (MHz)	950 to 1750

HOW TO ORDER

3120N

CONNECTOR	F - 75 Ohm N - 50 Ohm
NOISE TEMPERATURE	20 - 20 K 25 - 25 K 30 - 30 K
PART #	L.O. STABILITY 34XX 0.4 ppm - ±2 kHz 36XX 0.6 ppm - ±3 kHz 38XX 0.8 ppm - ±4 kHz 31XX 1.0 ppm - ±5 kHz 32XX 2.0 ppm - ±10 kHz 35XX 5.0 ppm - ±25 kHz
LNB SERIES #	

MECHANICAL DIAGRAM



Click below models to place online order

- 3120
- 3125
- 3130
- 3220
- 3225
- 3230
- 3420
- 3425
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- 3520
- 3525
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- 3625
- 3630
- 3820
- 3825
- 3830