



Norsat
International Inc.

Intelligent Satellite Solutions



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)	-73 dBc/Hz at 1kHz -83 dBc/Hz at 10kHz -93 dBc/Hz at 100kHz
Input VSWR	2.2 : 1
Output VSWR	2.2 : 1

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 C-BAND 3000

3120N

CONNECTOR..... F - 75 Ohm
N - 50 Ohm

NOISE TEMPERATURE.....20 - 20 K
25 - 25 K
30 - 30 K

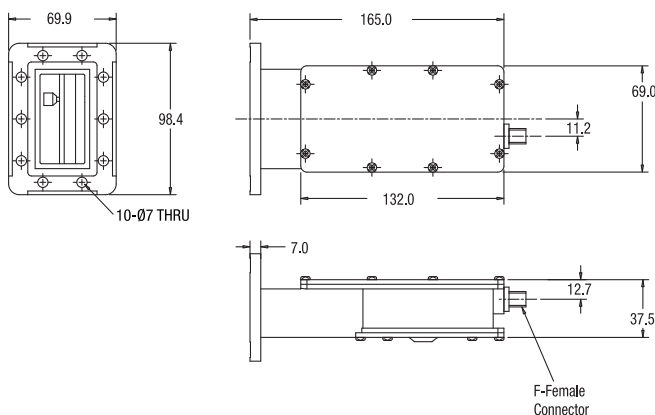
L.O. STABILITY....0.4 ppm - ± 2 kHz
0.6 ppm - ± 3 kHz
0.8 ppm - ± 4 kHz
1.0 ppm - ± 5 kHz
2.0 ppm - ± 10 kHz
5.0 ppm - ± 25 kHz

LNB SERIES #



Conversion gain	62 dB
Output P1dB	9 dBm
Power requirements	+15 to +24 V supplied through center conductor of IF cable
Current drain	330 mA
Input Waveguide	CPR 229G
Dimensions	180 (L) x 100 (W) x 70 (H) mm (7.1 x 4.0 x 2.8 in)
Weight	700g / 25 oz
Temperature Range	-40°C to +60°C

MECHANICAL DIAGRAM



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