



Norsat
International Inc.

Innovative Communication Solutions

LNB

C-BAND EXT REF

3000X

SPECIFICATIONS

Noise Temperature at room temp. @CF	20K: 20K typ., 24K Max. 25K: 25K typ., 28K Max. 30K: 30K typ., 32K Max.
L.O. Stability	Phase Locked to External Reference
Phase Noise (SSB) max.	Depends on External Reference
Input VSWR	2.5 : 1 max.
Output VSWR	2.2 : 1 max.
Gain	65 dB typ., 60 dB min., 70 dB max.
Gain Flatness (over full band)	≤ 4dB p-p
Output P1dB	+ 3 dBm min.



DC Power	+ 12V to + 24V DC
Current	250 mA max.
Input (waterproof)	CPR-229G waveguide grooved
Output (waterproof)	F-Connector (75 Ohm) N-Connector (50 Ohm)
Dimensions (L x W x H)	180 mm x 100 mm x 70 mm (7.1 in x 4.0 in x 2.8 in)
Weight	575g (20.28 oz)
Operating Temperature	- 40 to + 60°C
Storage Temperature	- 40 to + 80°C
External Ref. Freq.	10 MHz (sine-wave), -5 to +5 dBm

FREQUENCY BANDS

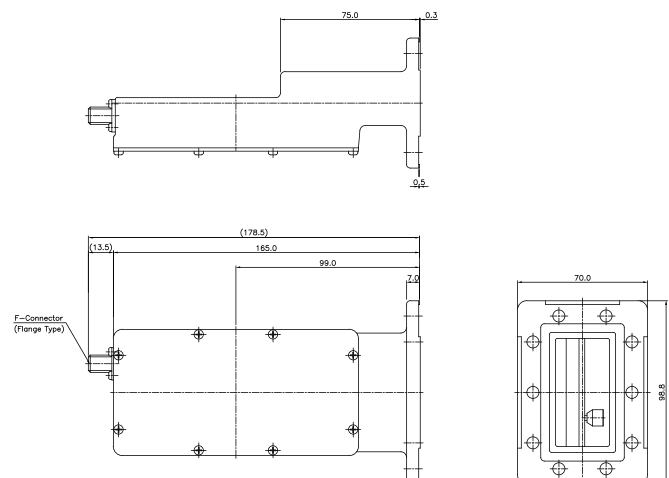
Frequency Band (GHz)	3.40 to 4.20
L.O. Frequency (GHz)	5.15
IF Frequency (MHz)	950 to 1750

HOW TO ORDER

3025XN

CONNECTOR	F - 75 Ohm N - 50 Ohm
EXTERNAL REFERENCE	
NOISE TEMPERATURE	20 - 20K 25 - 25 K 30 - 30 K
LNB SERIES #	

MECHANICAL DIAGRAM



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