



Norsat
International Inc.

Innovative Communication Solutions



LNB

X-BAND XT1000H

DUAL PLL / EXT. REF.



TYPICAL SPECIFICATIONS

Noise figure	0.7 dB
L.O. stability	±10 kHz in PLL mode if no 10MHz Ext. Ref. present
Phase noise (SSB)	-75 dBc/Hz at 1 kHz -85 dBc/Hz at 10 kHz -95 dBc/Hz at 100 kHz
Input VSWR	2.0 : 1
Output VSWR	2.0 : 1

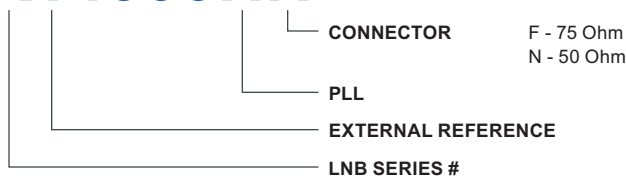
Conversion gain	60 dB
Output P1dB	10 dBm
Power requirements	+15 to +24 V supplied through center conductor of IF cable
Current drain	270 mA
Input Waveguide	WR112
Dimensions	137 (L) x 70 (W) x 59 (H) mm (5.4 x 2.8 x 2.3 in)
Weight	600 g / 21.1 oz
Temperature Range	-40°C to +60°C
External Ref Frequency	10 Mhz (sine wave) -10 to 0 ohm

FREQUENCY BANDS AVAILABLE

Input frequency (GHz)	7.25 to 7.75
L.O. frequency (GHz)	6.30
Output frequency (MHz)	950 to 1450

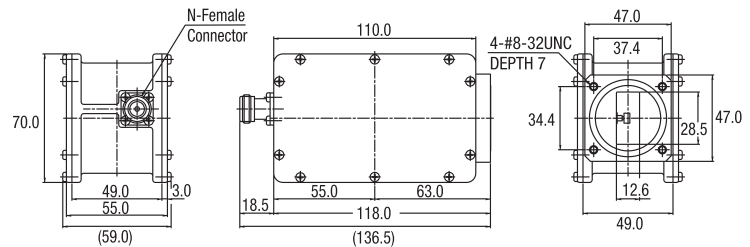
HOW TO ORDER

XT1000HN



Maximum Tx Band (7.9 - 8.4 GHz) signal level that will not saturate the LNB and cause any noise figure degradation:
30 dBm maximum Tx input

MECHANICAL DIAGRAM



Digisat International Inc.
4195 W. New Haven Ave., Suite 15
Melbourne, FL 32904
USA
+1-321-676-5250
Email: sales@digisat.org
http://www.digisat.org

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