Norsat International Inc.

Innovative Communication Solutions

35 YEARS OF EXCELLENCE

LNB

X-BAND EXT. REF.
XT1000

TYPICAL SPECIFICATIONS

Noise figure	0.7 dB
L.O. stability	Phase Locked to External Reference
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	56 dB
Output P1dB	5 dBm
Power requirements	+15 to +24 V supplied through center conductor of IF cable
Current drain	230 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
Ext Ref Frequency	10 MHz (sine-wave), -10 to 0 dBm
Temperature Range	-40°C to +60°C

FREQUENCY BANDS AVAILABLE

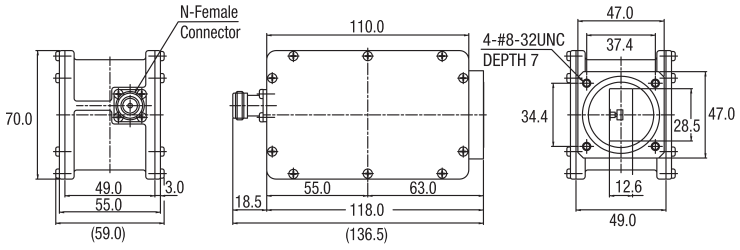
Input frequency (GHz)	7.25 to 7.75
L.O. frequency (GHz)	6.30
Output frequency (MHz)	950 to 1450

HOW TO ORDER

XT1000N

- **CONNECTOR** — F - 75 Ohm, N - 50 Ohm
- **EXTERNAL REFERENCE**
- **LNB SERIES #**

MECHANICAL DIAGRAM



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