



XT1000HN

1000 X-Band Auto-Reference Single Band PLL LNB

Connector: N: 50 Ohm

AUTO-REF: Automatically switches to Internal PLL in the absence of an EXT REF 10MHz signal

Norsat's Low Noise Blocks (LNBs) provide signal reception for satellite communications around the world. We offer premium performance and reliability in the smallest form factor possible. All of our standard X-Band LNBs are backed by a 3 year warranty and nearly forty years of experience as the industry's leading provider of high performance LNBs.



KEY SPECIFICATIONS

Band	X-Band
External Ref Freq	10 MHz (sine-wave), - 5 to +5 dBm
Input Frequency Band 1	7.25 - 7.75 GHz
LO Frequency 1	6.30 GHz
LO Stability	±10 kHz
LO Type	Auto-reference
Noise Figure Max	0.7 dB
Noise Figure Typ	0.6 dB
Number Of Onboard Los	Single-Band
Output Frequency Band 1	950 - 1450 MHz

RF SPECIFICATIONS

Conversion Gain Max	65 dB
Conversion Gain Min	56 dB
Conversion Gain Typ	60 dB
Gain Flatness (over Full Band)	≤ 4 dB p-p
Input VSWR	2.0 : 1 max.
Output P1db	+ 10 dBm min.
Output VSWR	2.0 : 1 max.

ELECTRICAL SPECIFICATIONS

Current Consumption	270 mA max.
Power Requirements	+15 to +24V DC

INTERFACE SPECIFICATIONS



Innovative Communication Solutions

IF Connector

N-connector 50 Ohm (waterproof)

RF Input Connector

WR-112 waveguide grooved (waterproof)

M and C SPECIFICATIONS

Led Indicators

None

ENVIRONMENTAL SPECIFICATIONS

Humidity

0 - 95%

IP Rating

IP 67

Temperature Operational

-40°C to +60°C

PHYSICAL SPECIFICATIONS

Product Height

59 mm

Product Length

134 mm

Product Weight

0.6 kg

Product Width

70 mm

LOGISTICS SPECIFICATIONS

HS Code

Country of Origin

Ex Works

ECCN Number

Unit Package

8517690000

Made in the Republic of
Korea

Richmond, BC, Canada

EAR99

145 x 95 x 65 mm |

HOW TO ORDER

XT1000HN

CONNECTOR

F - 75 Ohm
N - 50 Ohm

INTERNAL REFERENCE (AUTO-REF)

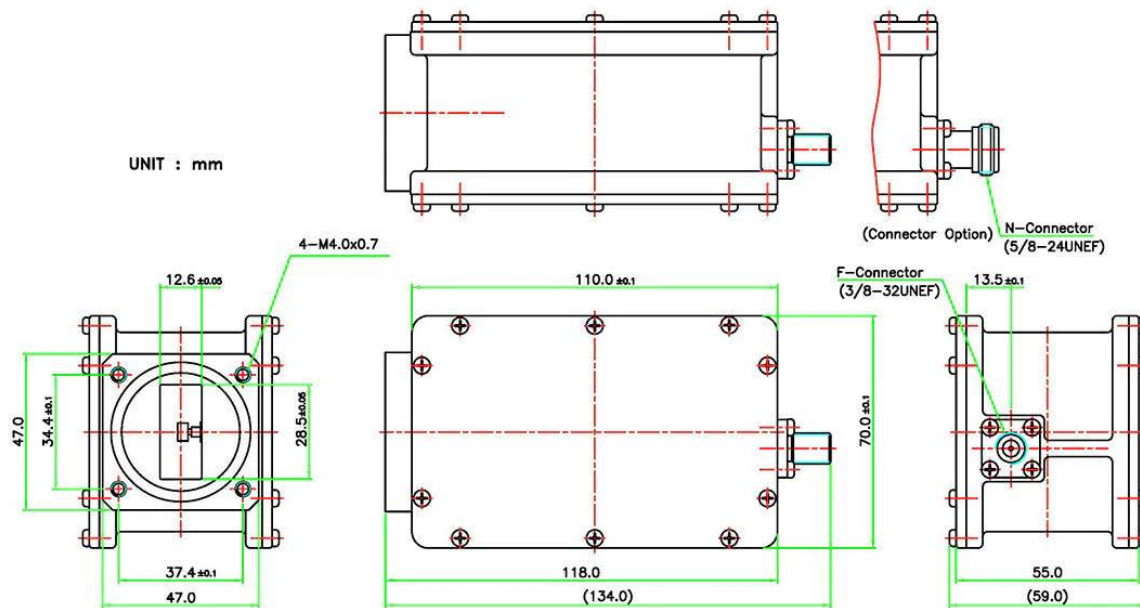
LNB SERIES #

MECHANICAL DIAGRAMS



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Innovative Communication Solutions



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