



## 1008XEN

### 1000 Ku-Band Single Band EXT REF LNB

**Connector:** N: 50 Ohm

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 Ku-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. 1000XE Series.



### KEY SPECIFICATIONS

Band	Ku-Band
External Ref Freq	10 MHz (sine-wave), - 5 to +5 dBm
Input Frequency Band 1	10.95 - 12.75 GHz
LO Frequency 1	10.00 GHz
LO Stability	Ext Ref
LO Type	EXT
Noise Figure Max	1.0 dB
Noise Figure Typ	0.8 dB
Number Of Onboard Los	Single-Band
Output Frequency Band 1	950 - 2750 MHz

### RF SPECIFICATIONS

Conversion Gain Max	65 dB
Conversion Gain Min	50 dB
Conversion Gain Typ	55 dB
Gain Flatness (over Full Band)	$\leq 6$ dB p-p
Input VSWR	2.5 : 1 max.
Output P1db	+ 5 dBm min.
Output VSWR	2.0 : 1 max.
Phase Noise 100khz Offset Max	Depends on External Reference

### ELECTRICAL SPECIFICATIONS

Current Consumption	300 mA
Power Requirements	+12 to +24V DC

### INTERFACE SPECIFICATIONS



## Innovative Communication Solutions

IF Connector

N-Connector

RF Input Connector

WR-75 waveguide grooved

## M and C SPECIFICATIONS

Led Indicators

None

## ENVIRONMENTAL SPECIFICATIONS

IP Rating

IP 67

Temperature Operational

-40°C to +60°C

Temperature Storage

-40 to +80°C

## PHYSICAL SPECIFICATIONS

Product Height

42 mm

Product Length

130 mm

Product Weight

0.4 kg

Product Width

60 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

# 1008XEN

CONNECTOR

F - 75 Ohm

N - 50 Ohm

FREQUENCY

E: 10.95-12.75 GHz

EXTERNAL REFERENCE

NOISE FIGURE

08 - 0.8 dB

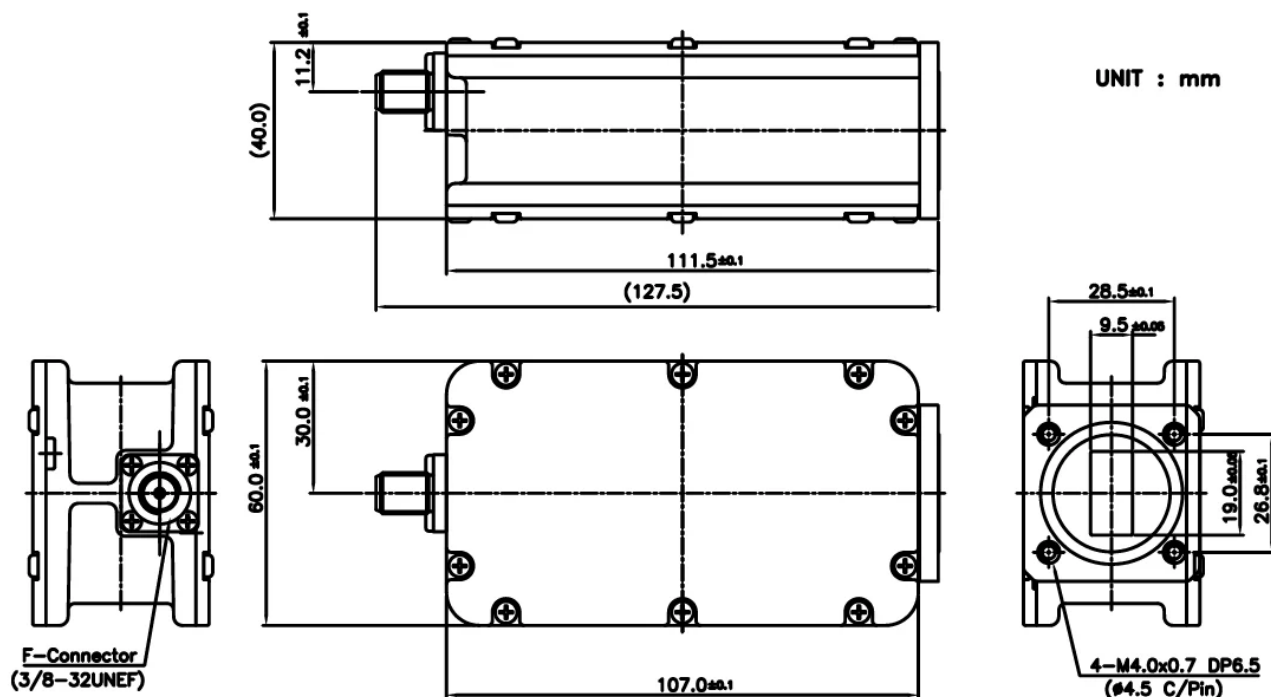
LNB SERIES #

## MECHANICAL DIAGRAMS



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Innovative Communication Solutions



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