

1008XDFF

1000 Dual-Band Ku-Band Ext REF LNB

Connector: F: 75 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 C-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. 1000XDF Series.



KEY SPECIFICATIONS

Band	Ku-Band
External Ref Freq	10 MHz (sine-wave), - 5 to +5 dBm
Input Frequency Band 1	10.70 - 11.70 GHz
Input Frequency Band 2	11.70 - 12.75 GHz
LO Frequency 1	9.75 GHz
LO Frequency 2	10.60 GHz
LO Stability	Ext Ref
LO Type	EXT
Noise Figure Max	0.9 dB
Noise Figure Typ	0.8 dB
Number Of Onboard Los	Dual-Band
Output Frequency Band 1	950 - 1950 MHz
Output Frequency Band 2	1100 - 2150 MHz

RF SPECIFICATIONS

Control Signal 1	13V / No Tone
Control Signal 2	18V / No Tone
Conversion Gain Max	65 dB
Conversion Gain Min	55 dB
Conversion Gain Typ	60 dB
Gain Flatness (over Full Band)	≤ 5 dB p-p
Input VSWR	2.3 : 1 max.
Output P1db	+ 5 dBm min.
Output VSWR	2.3 : 1 max.
Phase Noise 1khz Offset Max	Depends on External Reference



Innovative Communication Solutions

Phase Noise 10khz Offset Max

Depends on External Reference

Phase Noise 100khz Offset Max

Depends on External Reference

ELECTRICAL SPECIFICATIONS

Current Consumption

350 mA max

Power Requirements

+12 to +24V DC

INTERFACE SPECIFICATIONS

IF Connector

Waterproof F-Connector

RF Input Connector

Waterproof WR-75 waveguide grooved

ENVIRONMENTAL SPECIFICATIONS

IP Rating

IP 67

Temperature Operational

-40 to +60°C

Temperature Storage

-40 to +80°C

PHYSICAL SPECIFICATIONS

Product Height

42 mm

Product Length

128 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

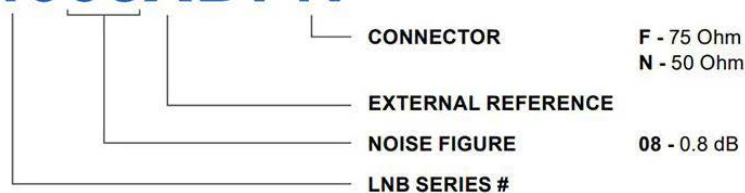
Richmond, BC, Canada

EAR99

145 x 95 x 65 mm |

HOW TO ORDER

1008XDFN

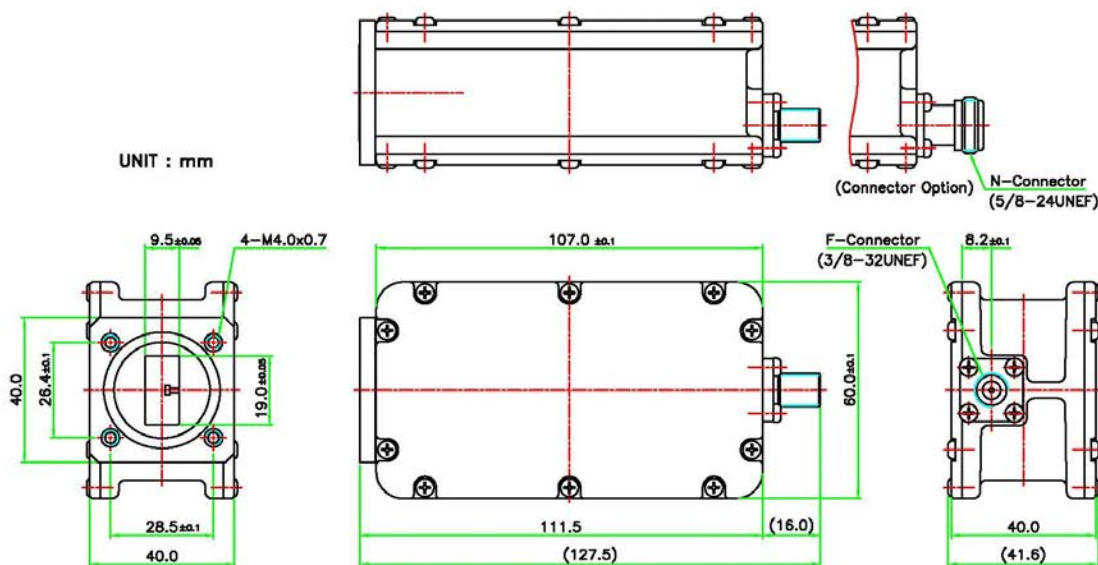


MECHANICAL DIAGRAMS



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