

1008XUF

1000 Ku-Band Quad 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 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. 1000XU 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	10.95 - 11.70 GHz
Input Frequency Band 3	11.70 - 12.75 GHz
Input Frequency Band 4	12.25 - 12.75 GHz
LO Frequency 1	9.75 GHz
LO Frequency 2	10.00 GHz
LO Frequency 3	10.75 GHz
LO Frequency 4	11.30 GHz
LO Stability	Ext Ref
LO Type	EXT
Noise Figure Max	1.0 dB
Noise Figure Typ	0.8 dB
Number Of Onboard Los	Quad-Band
Output Frequency Band 1	950 - 1950 MHz
Output Frequency Band 2	950 - 1700 MHz
Output Frequency Band 3	950 - 2000 MHz
Output Frequency Band 4	950 - 1450 MHz

RF SPECIFICATIONS

Control Signal 1	13V / No Tone
Control Signal 2	13V / 22kHz Tone

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Control Signal 3	18V / No Tone
Control Signal 4	18V / 22kHz 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	2.5 : 1 max.
Output P1db	+ 5 dBm min.
Output VSWR	2.5 : 1 max.
Phase Noise 1khz Offset Max	Depends on External Reference
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	F-Connector (waterproof)
RF Input Connector	WR-75 waveguide grooved (waterproof)

M and C SPECIFICATIONS

Led Indicators	None
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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	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	190 x 100 x 70 mm 0.58 kg

HOW TO ORDER



Norsat
International Inc.

Innovative Communication Solutions

1008XUF

CONNECTOR

F - 75 Ohm

N - 50 Ohm

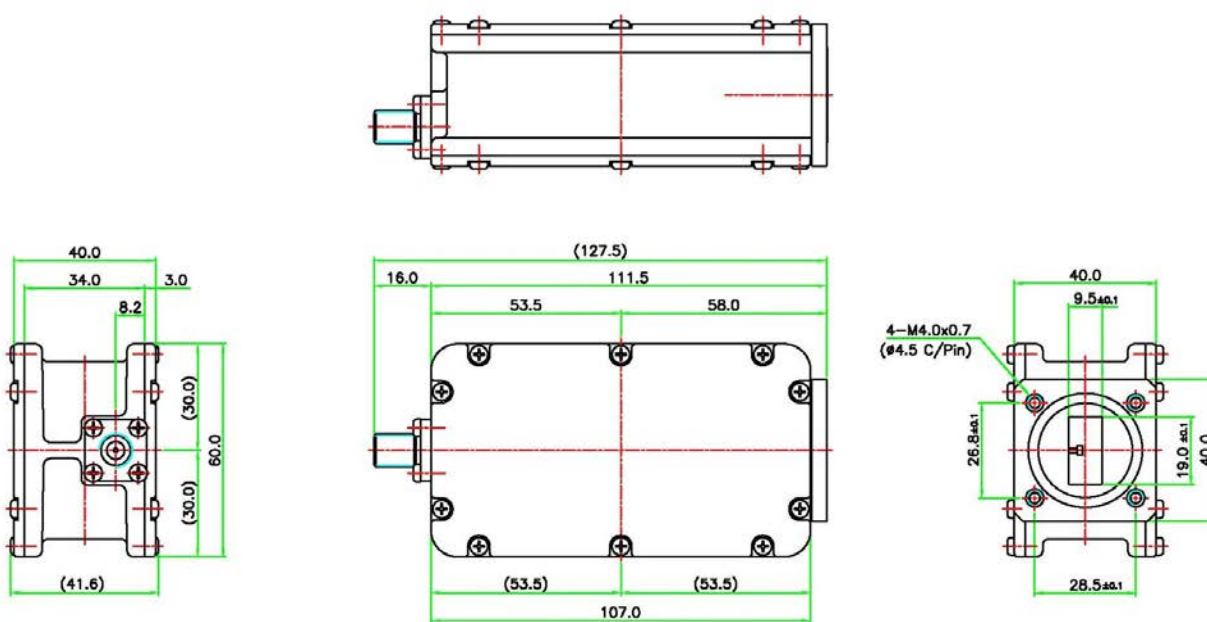
EXTERNAL REFERENCE

NOISE FIGURE

08 - 0.8 dB

LNB SERIES #

MECHANICAL DIAGRAMS



UNIT : mm

Norsat
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ESATCOM
INC

Norsat authorized distributor

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