

# 1208HUF

## 1000 Ku-Band Quad Band PLL LNB

**L.O Stability:** 2:  $\pm 25$  kHz

**Output 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. 1000HU Series.



## KEY SPECIFICATIONS

Band	Ku-Band
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	$\pm 25$ kHz
LO Type	PLL
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
Tone Frequency	22 kHz $\pm$ 4 kHz

## RF SPECIFICATIONS

Control Signal 1	13V / No Tone
Control Signal 2	13V / 22kHz Tone
Control Signal 3	18V / No Tone
Control Signal 4	18V / 22kHz Tone

## Innovative Communication Solutions

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 100khz Offset Max	-95 dBc/Hz

## ELECTRICAL SPECIFICATIONS

Current Consumption	350 mA
Power Requirements	+12 to +24V DC

## INTERFACE SPECIFICATIONS

IF Connector	F-Connector
RF Input Connector	WR-75 waveguide grooved

## 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	0.45 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	140 x 95 x 65 mm

## HOW TO ORDER



Norsat  
International Inc.

Innovative Communication Solutions

**1108HUF**

LNB SERIES #

CONNECTOR

F - 75 Ohm

N - 50 Ohm

REFERENCE

H: INTERNAL REFERENCE

NOISE FIGURE

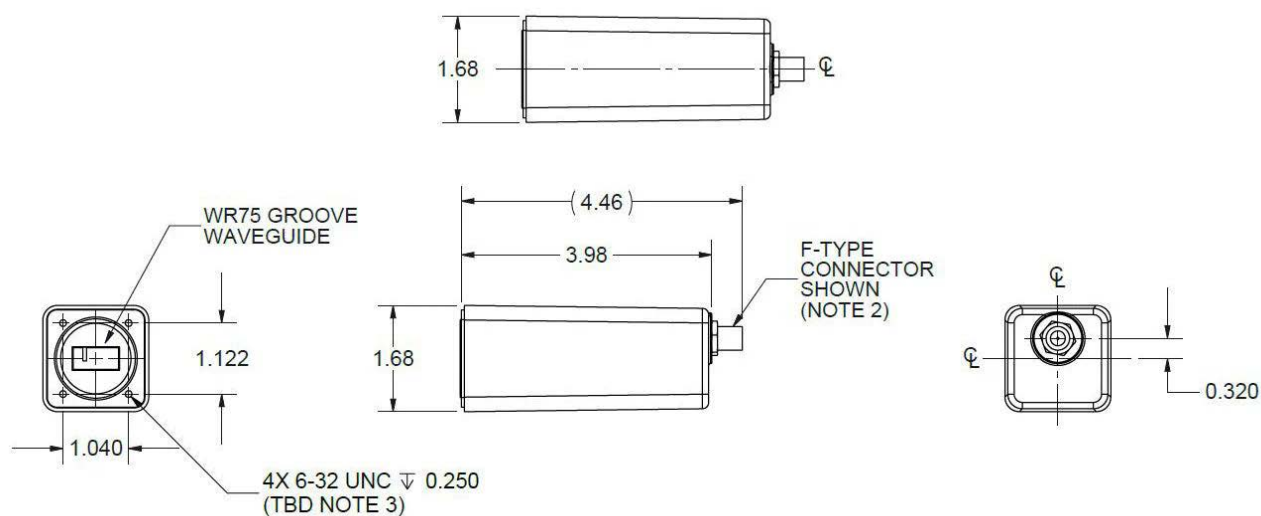
08 - 0.8 dB

LO STABILITY

1:  $\pm 10$  kHz

2:  $\pm 25$  kHz

## MECHANICAL DIAGRAMS



**ESATCOM**  
INC

Norsat authorized distributor

**Esatcom Inc.**

3628 Francis Lewis Blvd.

Flushing, NY 11358

[www.esatcom.com](http://www.esatcom.com)

Tel: 718.799.0084

Email: [sales@esatcom.com](mailto:sales@esatcom.com)