



## 1108HUF

### 1000 Ku-Band Quad Band PLL LNB

**L.O Stability:** 1:  $\pm 10$  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

<b>Band</b>	Ku-Band
<b>Input Frequency Band 1</b>	10.70 - 11.70 GHz
<b>Input Frequency Band 2</b>	10.95 - 11.70 GHz
<b>Input Frequency Band 3</b>	11.70 - 12.75 GHz
<b>Input Frequency Band 4</b>	12.25 - 12.75 GHz
<b>LO Frequency 1</b>	9.75 GHz
<b>LO Frequency 2</b>	10.00 GHz
<b>LO Frequency 3</b>	10.75 GHz
<b>LO Frequency 4</b>	11.30 GHz
<b>LO Stability</b>	$\pm 10$ kHz
<b>LO Type</b>	PLL
<b>Noise Figure Max</b>	1.0 dB
<b>Noise Figure Typ</b>	0.8 dB
<b>Number Of Onboard Los</b>	Quad-Band
<b>Output Frequency Band 1</b>	950 - 1950 MHz
<b>Output Frequency Band 2</b>	950 - 1700 MHz
<b>Output Frequency Band 3</b>	950 - 2000 MHz
<b>Output Frequency Band 4</b>	950 - 1450 MHz
<b>Tone Frequency</b>	22 kHz $\pm$ 4 kHz

### RF SPECIFICATIONS

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

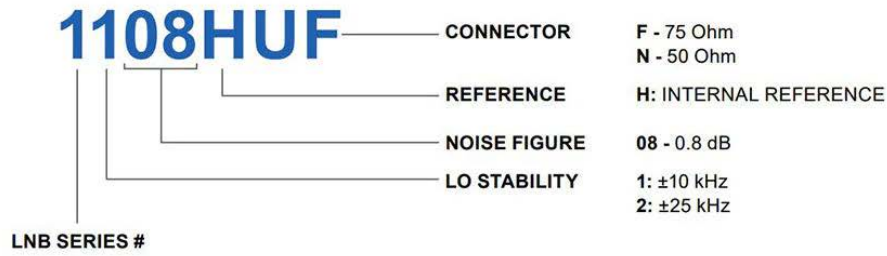
### PHYSICAL SPECIFICATIONS

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



MECHANICAL DIAGRAMS

