

# 1107HBF

## 1000 Ku-Band Single Band PLL LNB

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

**Noise Figure:** 0.7 dB

**Output Connector:** F: 75 Ohm



## KEY SPECIFICATIONS

Band	Ku-Band
Input Frequency Band 1	12.25 - 12.75 GHz
LO Frequency 1	11.30 GHz
LO Stability	$\pm 10$ kHz
LO Type	PLL
Noise Figure Max	0.8 dB
Noise Figure Typ	0.7 dB
Number Of Onboard Los	Single-Band
Output Frequency Band 1	950 - 1450 MHz

## RF SPECIFICATIONS

Conversion Gain Max	65 dB
Conversion Gain Min	55 dB
Conversion Gain Typ	60 dB
Gain Flatness (over Full Band)	$\leq 4$ dB p-p
Input VSWR	2.5 : 1 max.
Output P1db	+ 5 dBm min.
Output VSWR	2.2 : 1 max.
Phase Noise 100khz Offset Max	-95 dBc/Hz

## ELECTRICAL SPECIFICATIONS

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

## INTERFACE SPECIFICATIONS

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



### ENVIRONMENTAL SPECIFICATIONS

IP Rating	IP 67
Temperature Operational	-40 to +60°C
Temperature Storage	-40 to +80°C

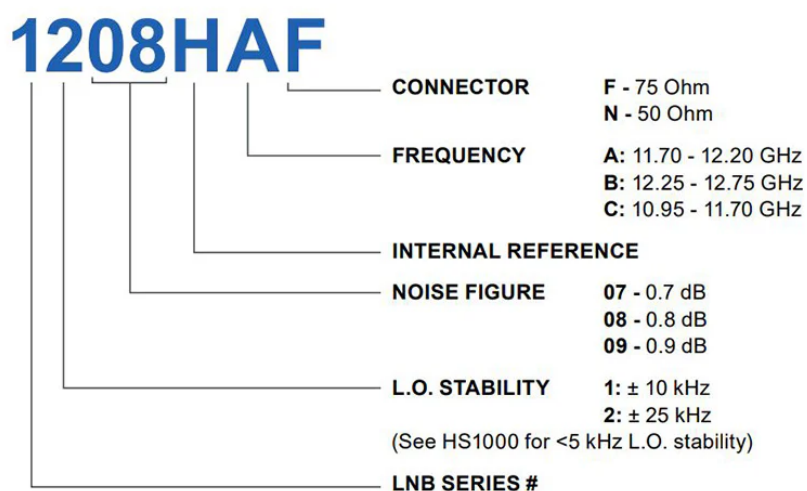
### PHYSICAL SPECIFICATIONS

Product Height	42 mm
Product Length	110 mm
Product Weight	0.3 kg
Product Width	42 mm

### LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8517690000	Made in Korea	Richmond, BC, Canada	EAR99	140 mm x 50 mm x 50 mm

### HOW TO ORDER



### MECHANICAL DIAGRAMS



Norsat  
International Inc.

Innovative Communication Solutions

