



# Norsat

International Inc.

Innovative Communication Solutions



## LNB

### KU-BAND PLL

### 1000H



#### TYPICAL SPECIFICATIONS

Noise figure	0.7 to 0.9 dB depending on model number
L.O. stability (over temperature excl. offset)	±10 kHz to ±25 kHz (See HS1000 for < 5 kHz L.O. stability)
Phase noise (SSB)	-75 dBc/Hz at 1 kHz -80 dBc/Hz at 10 kHz -95 dBc/Hz at 100 kHz
Input VSWR	2.2 : 1
Output VSWR	2.2 : 1

Conversion gain	60 dB
Output P1dB	5 dBm
Power requirements	+15 to +24 V supplied through center conductor of IF cable
Current drain	200 mA
Input Waveguide	WR75
Dimensions	110 (L) x 42 (W) x 42 (H) mm (4.3 x 1.7 x 1.7 in)
Weight	300 g / 10.6 oz
Temperature Range	-40°C to +60°C

#### FREQUENCY BANDS AVAILABLE

Typical service	1000HA	1000HB	1000HC
Input frequency (GHz)	11.70 to 12.20	12.25 to 12.75	10.95 to 11.70
L.O. frequency (GHz)	10.75	11.30	10.00
Output frequency (MHz)	950 to 1450	950 to 1450	950 to 1700

**Note:** You also have the option of upgrading to the HS1000 series, which also includes the ±2 kHz to ±5 kHz improved L.O. stabilities.

#### HOW TO ORDER

### 1208HAF

CONNECTOR	F - 75 Ohm N - 50 Ohm
FREQUENCY	A - 11.70 - 12.20 GHz B - 12.25 - 12.75 GHz C - 10.95 - 11.70 GHz
NOISE FIGURE	07 - 0.7 dB 08 - 0.8 dB 09 - 0.9 dB
L.O. STABILITY	1 - ±10 kHz 2 - ±25 kHz (See HS1000 for < 5 kHz L.O. stability)
LNB SERIES #	

#### MECHANICAL DIAGRAM

