



**Norsat**  
International Inc.

Innovative Communication Solutions



# LNB

## KU-BAND PLL

### HS1000 SERIES



#### TYPICAL SPECIFICATIONS

<b>Noise figure</b>	0.7 to 0.9 dB
<b>L.O. stability (after 60 sec)</b>	±5 kHz to ±2 kHz
<b>Gain Flatness (-40°C to +60°C)</b>	1.5dBp-p @ over 27 MHz 4dBp-p @ over 500 MHz
<b>Gain Variation @ Fixed Freq. (-40°C to +60°C)</b>	6 dBp-p max
<b>Phase noise (SSB)</b>	-75 dBc/Hz at 1 kHz -80 dBc/Hz at 10 kHz -95 dBc/Hz at 100 kHz
<b>Input VSWR</b>	2.2 : 1
<b>Output VSWR</b>	2.2 : 1

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

Note: See 1000H series for ±10 kHz to ±25 kHz L.O. stabilities.

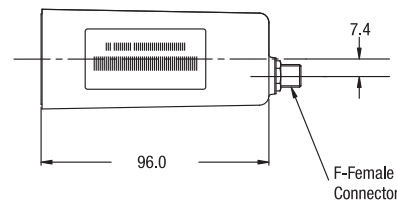
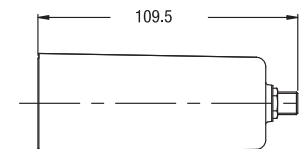
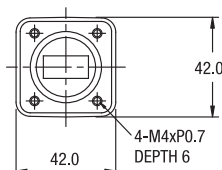
#### FREQUENCY BANDS AVAILABLE

Typical service	HS1000A	HS1000B	HS1000C
<b>Input frequency (GHz)</b>	11.70 to 12.20	12.25 to 12.75	10.95 to 11.70
<b>L.O. frequency (GHz)</b>	10.75	11.30	10.00
<b>Output frequency (MHz)</b>	950 to 1450	950 to 1450	950 to 1700

#### HOW TO ORDER

## HS1048AF

<b>CONNECTOR</b>	F - 75 Ohm N - 50 Ohm
<b>FREQUENCY</b>	A - 11.70 - 12.20 GHz B - 12.25 - 12.75 GHz C - 10.95 - 11.70 GHz
<b>NOISE FIGURE</b>	9 - 0.9 dB 8 - 0.8 dB 7 - 0.7 dB
<b>L.O. STABILITY</b>	5 - ±5 kHz 4 - ±4 kHz 3 - ±3 kHz 2 - ±2 kHz
<b>LNB SERIES #</b>	



BUY NOW



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