



Norsat

International Inc.

Intelligent Satellite 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

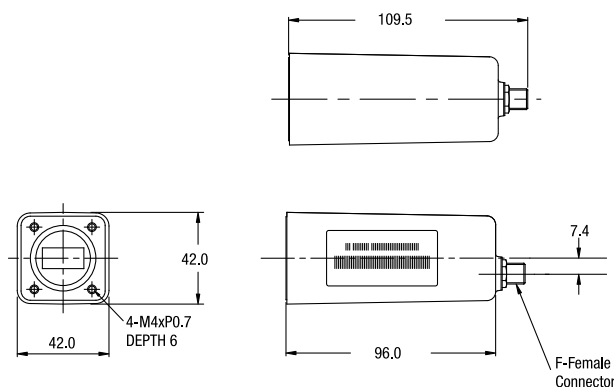
Note: You also have the option of upgrading to the HS1000 series, which also includes the ±3 kHz L.O. (1307, 1308, 1309) It is the same great unit with better performance.

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



Norsat
International Inc.

Americas
tel + 1.800.644.4562
fax + 1.604.821.2801

Asia
tel + 1 604.821.2835
fax + 1 604.821.2801

Europe, Middle East & Africa
tel + 44.1522.730800
fax + 44.1522.730927

Online
info@norsat.com
www.norsat.com