

LNB 1000H

DATA- PRO KU-BAND PLL



Norsat
International Inc.

TYPICAL SPECIFICATIONS

Noise figure	0.7 to 0.9 dB depending on model number	Conversion gain	60 dB
L.O. stability (over temperature excl. offset)	±10 kHz to ±25 kHz (See HS1000 for < 5 kHz L.O. stability)	Output P1dB	5 dBm
Phase noise (SSB)	-75 dBc/Hz at 1kHz -80 dBc/Hz at 10kHz -95 dBc/Hz at 100kHz	Power requirements	+15 to +24 V supplied through center conductor of IF cable
Input VSWR	2.2 : 1	Current drain	200 mA
Output VSWR	2.2 : 1	Input Waveguide	WR75
		Dimensions	110 (L) x 42 (W) x 42 (H) mm (4.3 x 1.7 x 1.7 in)
		Weight	300g / 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

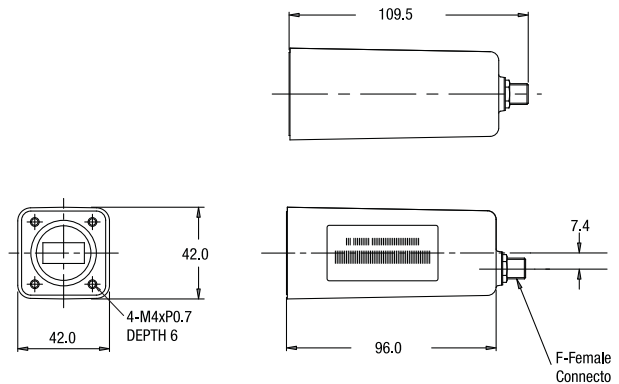
Note: You also have the option of upgrading to the HS1000 series, which also includes the ±3 kHz L.O. (1307, 1308, 1309) It is the same great unit with better performance

HOW TO ORDER KU-BAND 1000H

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



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