



Norsat
International Inc.

Innovative Communication Solutions

LNB

KU-BAND DUAL-BAND PLL

1000HDF

SPECIFICATIONS

Noise Figure	0.8 dB typ., 1 dB max. at room temp. @ CF
L.O. Stability	± 10 kHz, ± 25 kHz
Phase Noise (SSB) max.	-70 dBc at 1kHz -80 dBc at 10kHz -95 dBc at 100kHz
Input VSWR	2.5 : 1 max.
Output VSWR	2.5 : 1 max.
Gain	60 dB typ., 55 dB min., 65 dB max.
Gain Flatness (over full band)	≤ 5 dB p-p
Output P1dB	+ 5 dBm min.



DC Power	+ 12V to + 24V DC (See below for Band Select)
Current	250 mA max.
Input (waterproof)	WR-75 waveguide grooved
Output (waterproof)	F-Connector (75 Ohm) N-Connector (50 Ohm)
Dimensions (L x W x H)	128 mm x 60 mm x 40 mm (5.00 in x 2.36 in x 1.57 in)
Weight	400 g (14.11 oz)
Operating Temperature	- 40 to + 60°C
Storage Temperature	- 40 to + 80°C

FREQUENCY BANDS

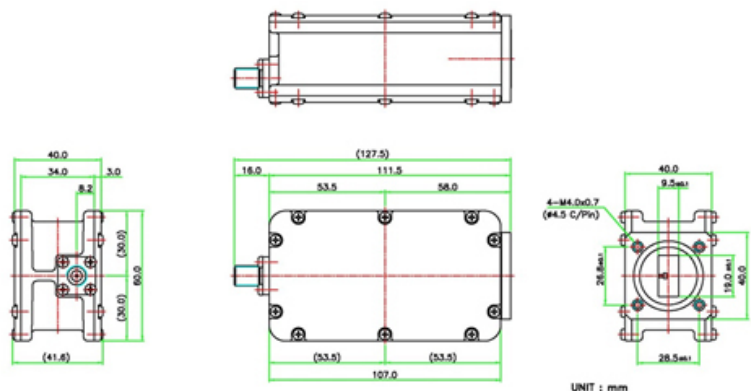
	Band 1 (13V)	Band 2 (18V)
Frequency Band (GHz)	10.70 - 11.70	11.70 - 12.75
L.O. Frequency (GHz)	9.75	10.60
IF Frequency (MHz)	950 - 1950	1100 - 2150

HOW TO ORDER

1108HDFN

CONNECTOR	F - 75 Ohm N - 50 Ohm
INTERNAL REFERENCE	
NOISE FIGURE	08 - 0.8 dB
L.O. STABILITY	1: ± 10 kHz 2: ± 25 kHz
LNB SERIES #	

MECHANICAL DIAGRAM



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