Norsat International Inc.

Innovative Communication Solutions

LNB
KU-BAND PLL
1000HE

SPECIFICATIONS

Noise Figure	0.8 dB typ., 1.0 dB max. at room temp. @ CF
L.O. Stability	± 10 kHz, ± 25 kHz
Phase Noise (SSB) max.	-70 dBc/Hz at 1kHz -80 dBc/Hz at 10kHz -95 dBc/Hz at 100kHz
Input VSWR	2.5 : 1
Output VSWR	2.2 : 1
Gain	55 dB typ., 50 dM min., 65 dB max.
Gain Flatness (over full band)	≤ 6 dBp-p max.
Output P1dB	+ 3 dBm min.
DC Power	+ 12 to + 24V DC
Current	350 mA max.
Input (waterproof)	WR-75 waveguide grooved
Output (waterproof)	F-Connector (75 Ohm) N-Connector (50 Ohm)
Dimensions (L x W x H)	130 mm x 60 mm x 42 mm (5.12 in x 2.36 in x 1.65 in)
Weight	400 g (14 oz)
Operating Temperature	- 40 to + 60˚C
Storage Temperature	- 40 to + 80˚C

FREQUENCY BANDS

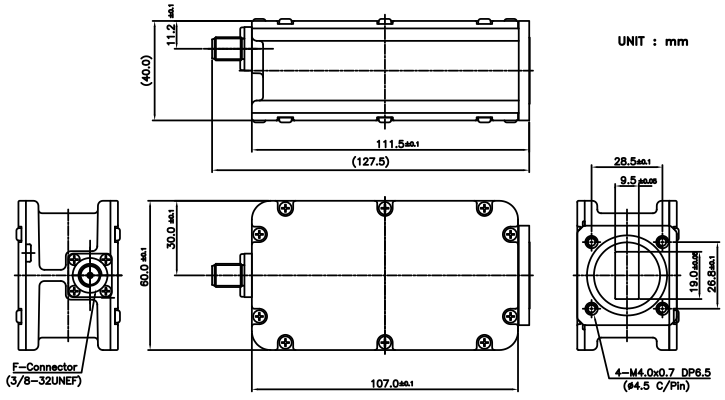
Frequency Band (GHz)	10.95 - 12.75
L.O. Frequency (GHz)	10.00
IF Frequency (MHz)	950 - 2750

HOW TO ORDER

1208HEF

CONNECTOR	**F -** 75 Ohm **N -** 50 Ohm
FREQUENCY	**E:** 10.95-12.75 GHz
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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