



Norsat
International Inc.

Innovative Communication Solutions

LNB KA-BAND PLL 9000H-2



TYPICAL SPECIFICATIONS

Noise figure	1.3 dB
L.O. stability	±60 kHz (3 ppm)
Phase noise (SSB)	-75 dBc/Hz at 1 kHz -80 dBc/Hz at 10 kHz -100 dBc/Hz at 100 kHz
Input VSWR	2.2 : 1
Output VSWR	2.0 : 1
Gain flatness over 1000 MHz	4.0 dB p-p
Gain variation over temperature @ fixed frequency (-40 to +60°C)	5 dB max

Conversion gain	55 dB
Output P1dB	3 dBm
Power requirements	+15 to +24 V supplied through center conductor of IF cable
Current drain	160 mA
Input Waveguide	WR42
Dimensions	111 (L) x 42 (W) x 42 (H) mm
Weight	350 g
Temperature Range	-40°C to +60°C

FREQUENCY BANDS AVAILABLE

Typical service	9000HA-2	9000HB-2
Input frequency (GHz)	18.20 to 19.20	19.20 to 20.20
L.O. frequency (GHz)	17.25	18.25
Output frequency (MHz)	950 to 1950	950 to 1950

9000HC-2
20.20 to 21.20
19.25
950 to 1950

HOW TO ORDER

9000HCN-2

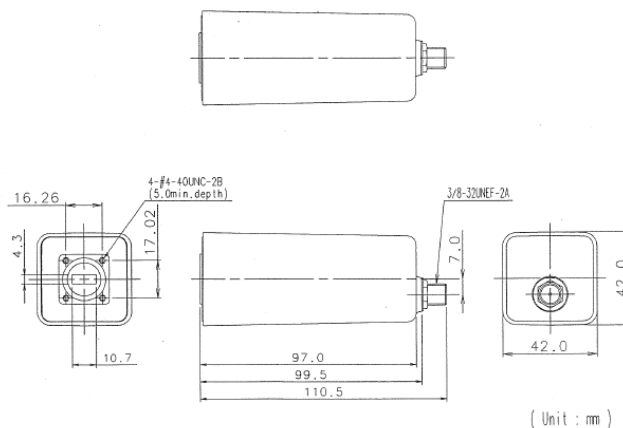
COMPACT MODEL

CONNECTOR F - 75 Ohm
N - 50 Ohm

FREQUENCY A - 18.20 - 19.20 GHz
B - 19.20 - 20.20 GHz
C - 20.20 - 21.20 GHz

LNB SERIES #

MECHANICAL DIAGRAM



VIKING
SATCOM