



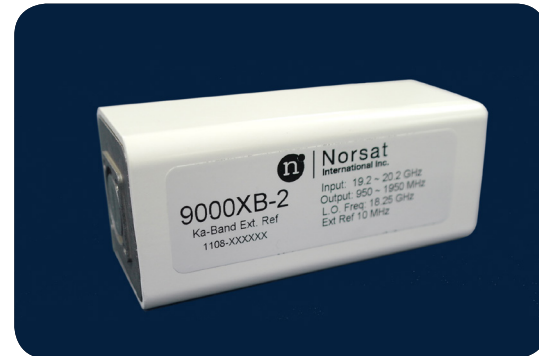
Norsat
International Inc.

Innovative Communication Solutions

LNB KA-BAND EXT. REF 9000X-2

TYPICAL SPECIFICATIONS

Noise figure	1.5 dB Typ, 1.8 dB Max.
L.O. stability	Phase Locked to External Reference
Phase noise (SSB)	-65 dBc/Hz at 100 Hz -75 dBc/Hz at 1 kHz -80 dBc/Hz at 10 kHz -100 dBc/Hz at 100 kHz
Input VSWR	2.0 : 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
Ext Ref Frequency	10 MHz (sine-wave), -10 to 0 dBm
Temperature Range	-40°C to +60°C

FREQUENCY BANDS AVAILABLE

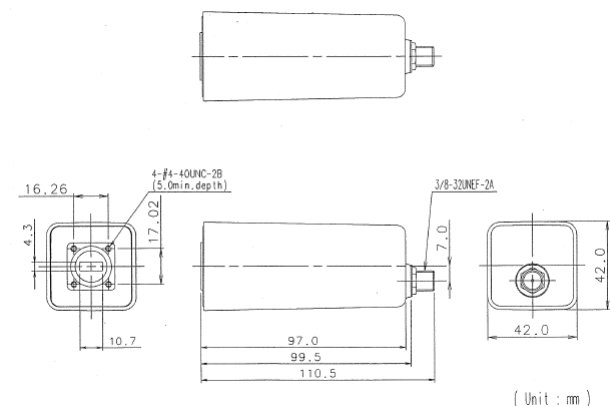
Typical service	9000XA-2	9000XB-2	9000XC-2
Input frequency (GHz)	18.20 to 19.20	19.20 to 20.20	20.20 to 21.20
L.O. frequency (GHz)	17.25	18.25	19.25
Output frequency (MHz)	950 to 1950	950 to 1950	950 to 1950

HOW TO ORDER

9000XAN-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
EXTERNAL REFERENCE	
LNB SERIES #	

MECHANICAL DIAGRAM



VIKING
SATCOM

