



Norsat
International Inc.

Innovative Communication Solutions

LNB

KA-BAND PLL

9000H-4

SPECIFICATIONS

Noise Figure	9000HD-4	1.3dB typ., 1.6 dB max. at room temp. @ CF 1.5dB typ., 1.8 dB max. at room temp. @ CF
LO Stability		±25kHz, ±50 kHz
Phase Noise		-70 dBc at 1 kHz -80 dBc at 10 kHz -95 dBc at 100 kHz
Gain		60 dB typ., 55 dB min., 65 dB max. @ full frequency band
Output P1dB		+5 dBm min
DC Power		+12V to +24V DC



Current	400 mA
Input (waterproof)	WR-42 waveguide
Output (waterproof)	F-connector (75 ohm) N (Optional) (50 ohm)
Dimensions (L x W x H)	120 mm x 60 mm x 45 mm (4.72 in x 2.36in x 1.77in)
Weight	420 g (14.82 oz)
Operating Temperature	-40 to +60°C
Storage Temperature	-40 to +80°C

FREQUENCY BANDS

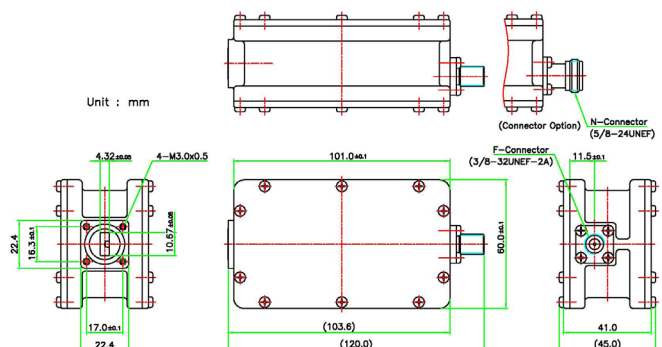
Frequency Bands	9000HA-4	9000HB-4	9000HC-4	9000HD-4	9000HE-4
Input Frequency	18.2 ~ 19.2 GHz	19.2 ~ 20.2 GHz	20.2 ~ 21.2 GHz	21.2 ~ 22.2 GHz	17.2 ~ 18.2 GHz
LO Frequency	17.25 GHz	18.25 GHz	19.25 GHz	20.25 GHz	16.25 GHz
IF Frequency	950 ~ 1950 MHz	950 ~ 1950 MHz	950 ~ 1950 MHz	950 ~ 1950 MHz	950 ~ 1950 MHz

HOW TO ORDER

9200HAN-4

CONNECTOR	F - 75 Ohm N - 50 Ohm
FREQUENCY	A: 18.2-19.2 GHz B: 19.2-20.2 GHz C: 20.2-21.2 GHz D: 21.2-22.2 GHz E: 17.2-18.2 GHz
LO STABILITY	2: ±25 kHz 5: ±50 kHz
LNB SERIES #	

MECHANICAL DIAGRAM



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