

# 9200HIDN-4

## 9200 Single Band Ka-Band PLL LNB

**Frequency:** D: 21.2 - 22.2 GHz

**W/G Isolator:** Yes

**Output Connector:** N: 50 Ohm



## KEY SPECIFICATIONS

Band	Ka-Band
Input Frequency Band 1	21.20 - 22.20 GHz
LO Frequency 1	20.25 GHz
LO Stability	±25 kHz
LO Type	PLL
Noise Figure Max	1.6 dB
Noise Figure Typ	1.5 dB
Number Of Onboard Los	Single-Band
Output Frequency Band 1	950 - 1950 MHz

## RF SPECIFICATIONS

Conversion Gain Max	65 dB
Conversion Gain Min	55 dB
Conversion Gain Typ	60 dB
Input VSWR	1.5 : 1 max.
Output P1db	+ 5 dBm min.
Output VSWR	2.5 : 1 max.
Phase Noise 1khz Offset Max	-70 dBc/Hz
Phase Noise 10khz Offset Max	-80 dBc/Hz
Phase Noise 100khz Offset Max	-95 dBc/Hz

## ELECTRICAL SPECIFICATIONS

Current Consumption	400 mA
Power Requirements	+12 to +24V DC

## INTERFACE SPECIFICATIONS

IF Connector	N-Connector (waterproof)
Isolator	With Isolator



RF Input Connector

WR-42 waveguide grooved (waterproof)

### ENVIRONMENTAL SPECIFICATIONS

Temperature Operational -40°C to +60°C

Temperature Storage -40 to +80°C

### PHYSICAL SPECIFICATIONS

Product Height 45 mm

Product Length 120 mm

Product Weight 0.42 kg

Product Width 60 mm

### LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8517690000	Made in the Republic of Korea	Richmond, BC, Canada	EAR99	145 mm x 95 mm x 65 mm   0.48 kg

### HOW TO ORDER

## 9200HIAN-4

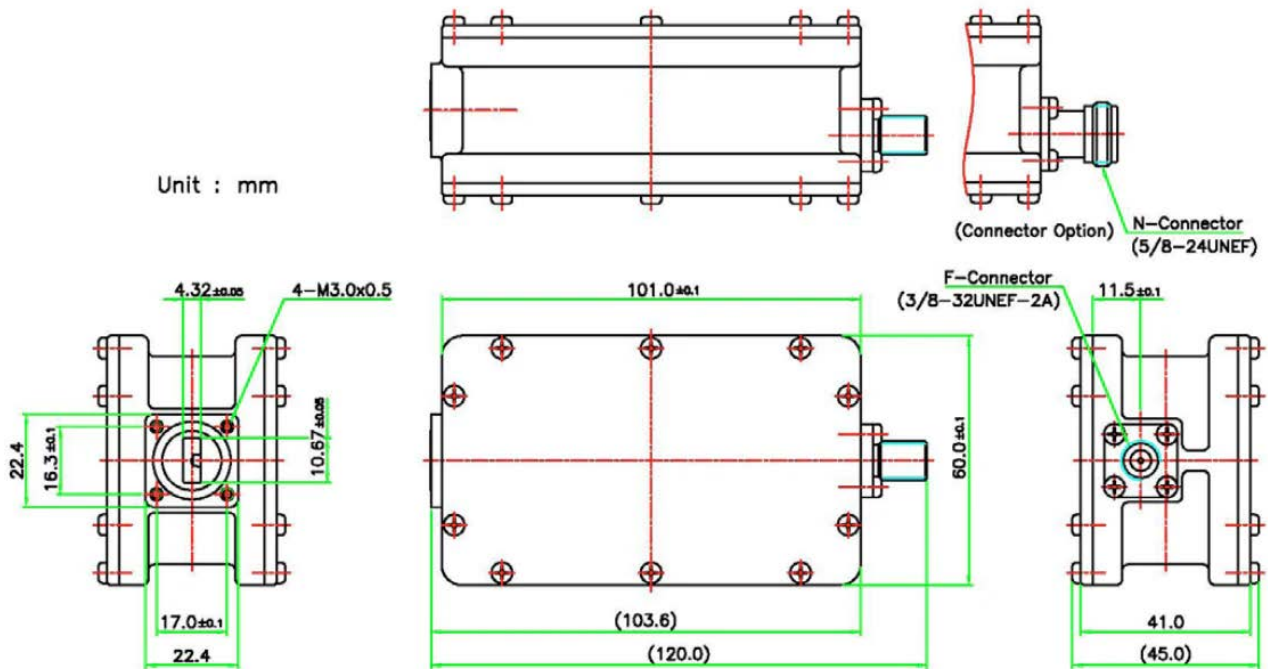
CONNECTOR	F: 75 Ohm N: 50 Ohm
FREQUENCY	A: 18.2 - 19.2 GHz B: 19.2 - 20.2 GHz C: 20.2 - 21.2 GHz D: 21.2 - 22.2 GHz E: 17.2 - 18.2 GHz
W/G ISOLATOR	BLANK: No isolator I: With Isolator
REFERENCE	H: Internal X: External
L.O. STABILITY	2: ± 25 kHz 5: ± 50 kHz
LNB SERIES #	

### MECHANICAL DIAGRAMS



Norsat  
International Inc.

Innovative Communication Solutions



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