



# 9500HIDN-4

## 9500 Single-Band Ka-Band PLL LNB

Frequency: D: 21.2-22.2 GHz

W/G Isolator: Yes

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	±50 kHz
LO Type	PLL
Noise Figure Max	1.5 dB
Noise Figure Typ	1.8 dB
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
Output P1db	+ 5 dBm min.
Output VSWR	2.0 : 1 max.
Phase Noise 100khz Offset Max	-95 dBc/Hz
Phase Noise 10khz Offset Max	-80 dBc/Hz
Phase Noise 1khz Offset Max	-70 dBc/Hz

### ELECTRICAL SPECIFICATIONS

Power Requirements	+12 to +24V DC
--------------------	----------------

### INTERFACE SPECIFICATIONS

Isolator	With Isolator
RF Input Connector	WR-42 waveguide grooved





## ENVIRONMENTAL SPECIFICATIONS

Temperature Operational	-40 to +60°C
Temperature Storage	-40 to +80°C

## PHYSICAL SPECIFICATIONS

Product Dimensions (LxWxH)	120 x 60 x 45 mm
Product Weight	420 g (14.82 oz)

## LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8517690000	Made in Korea	Korea	EAR99	145 x 95 x 65 mm   480g

## HOW TO ORDER

### 9200HIAN-4

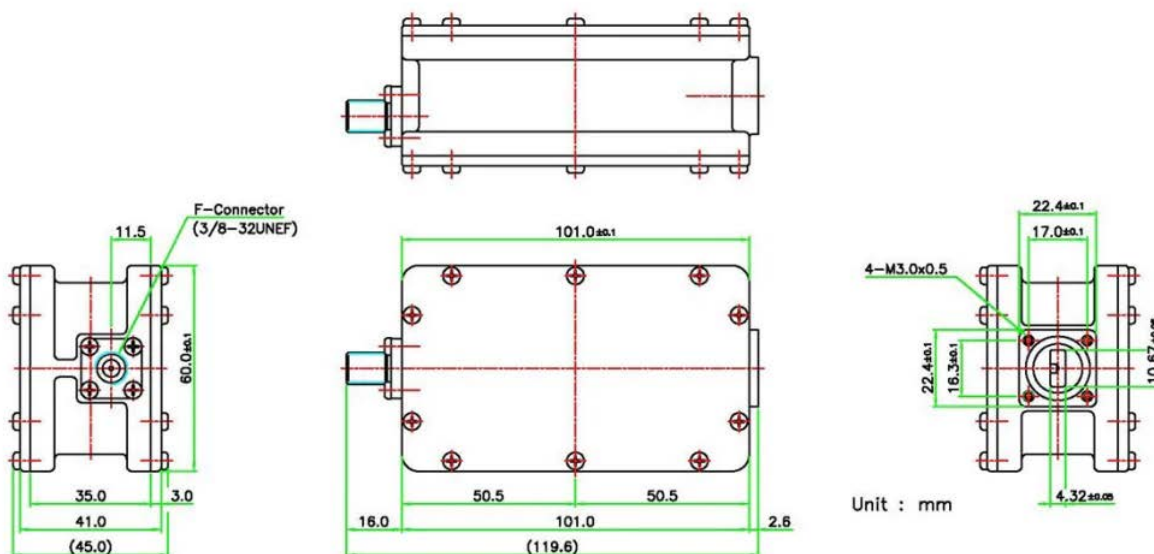
CONNECTOR	F: 75 Ohm N: 50 Ohm
FREQUENCY	A: 18.2 - 19.2 GHz B: 19.2 - 20.2 GHz C: 20.2 - 21.2 GHz D: 21.2 - 22.2 GHz E: 17.2 - 18.2 GHz
W/G ISOLATOR	BLANK: No isolator I: With Isolator
REFERENCE	H: Internal X: External
L.O. STABILITY	2: ± 25 kHz 5: ± 50 kHz
LNB SERIES #	

## MECHANICAL DIAGRAMS



Norsat  
International Inc.

Innovative Communication Solutions



Norsat  
International Inc.

ESATCOM  
INC

Esatcom Inc  
Norsat authorized distributor  
[www.esatcom.com](http://www.esatcom.com)

Tel  
718.799.0084

Email  
[sales@esatcom.com](mailto:sales@esatcom.com)

