

9200HIAN-4

9200 Single Band Ka-Band PLL LNB

Frequency: A: 18.2 - 19.2 GHz

W/G Isolator: Yes

Output Connector: N: 50 Ohm



KEY SPECIFICATIONS

Band	Ka-Band
Input Frequency Band 1	18.20 - 19.20 GHz
LO Frequency 1	17.25 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

FREQUENCY

W/G ISOLATOR

REFERENCE

L.O. STABILITY

LNB SERIES #

F: 75 Ohm
N: 50 Ohm

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

BLANK: No isolator
I: With Isolator

H: Internal
X: External

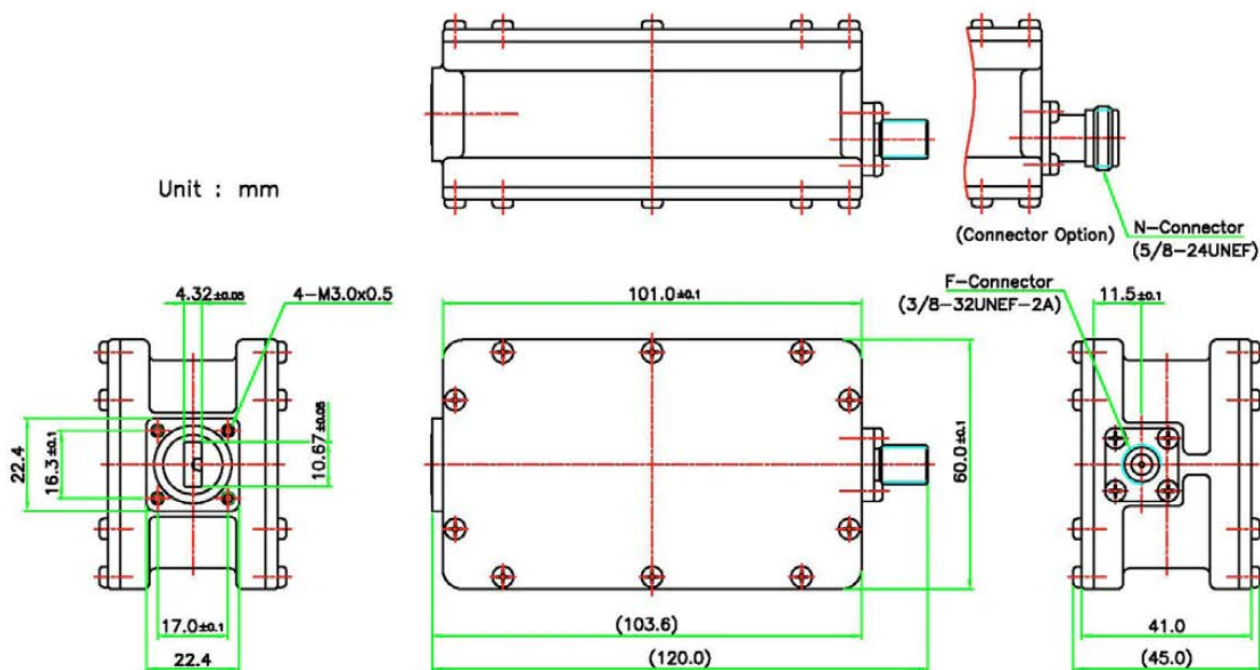
2: ± 25 kHz
5: ± 50 kHz

MECHANICAL DIAGRAMS



Norsat
International Inc.

Innovative Communication Solutions



Norsat
International Inc.

ESATCOM
INC

Esatcom Inc
Norsat authorized distributor
www.esatcom.com

Tel
718.799.0084

Email
sales@esatcom.com