

9000XICDN

9000 Dual-Band Ka-Band Ext REF LNB

Frequency: CD: 20.2 - 21.2 | 21.2 - 22.2 GHz

W/G Isolator: Yes

Output Connector: N: 50 Ohm



KEY SPECIFICATIONS

Band	Ka-Band
External Ref Freq	10 MHz (sine-wave), - 5 to +5 dBm
Input Frequency Band 1	20.20 - 21.20 GHz
Input Frequency Band 2	21.20 - 22.20 GHz
LO Frequency 1	19.25 GHz
LO Frequency 2	20.25 GHz
LO Stability	Ext Ref
LO Type	EXT
Noise Figure Max	1.5 dB
Noise Figure Typ	1.8 dB
Number Of Onboard Los	Dual-Band
Output Frequency Band 1	950 - 1950 MHz
Output Frequency Band 2	950 - 1950 MHz

RF SPECIFICATIONS

Control Signal 1	13V / No Tone
Control Signal 2	18V / No Tone
Conversion Gain Max	65 dB
Conversion Gain Min	55 dB
Conversion Gain Typ	60 dB
Gain Flatness (over Full Band)	≤ 5 dB p-p max.
Input VSWR	2.5 : 1 max.
Output P1db	+ 5 dBm min.
Output VSWR	2.5 : 1 max.
Phase Noise 100khz Offset Max	Depends on External Reference

ELECTRICAL SPECIFICATIONS



Power Requirements

+12 to +24V DC

INTERFACE SPECIFICATIONS

IF Connector

N-Connector

Isolator

With Isolator

RF Input Connector

WR-42 waveguide grooved

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

8517690000

Country of Origin

Made in the Republic of
Korea

Ex Works

Richmond, BC, Canada

ECCN Number

EAR99

Unit Package

145 mm x 95 mm x 65
mm | 0.48 kg

HOW TO ORDER

9200HIABN

CONNECTOR

F: 75 Ohm
N: 50 Ohm

FREQUENCY

AB: 18.2 - 19.2 GHz & 19.2 - 21.2 GHz
BC: 19.2 - 20.2 GHz & 20.2 - 21.2 GHz
CD: 20.2 - 21.2 GHz & 21.2 - 22.2 GHz

W/G ISOLATOR

BLANK: No isolator
I: With Isolator

REFERENCE

H: Internal
X: External

L.O. STABILITY

2: ± 25 kHz
5: ± 50 kHz
7: ± 70 kHz

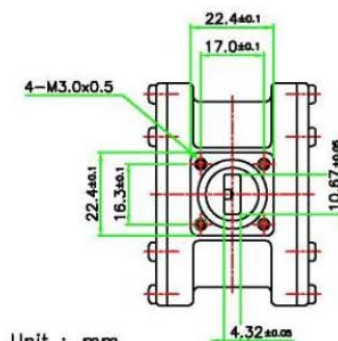
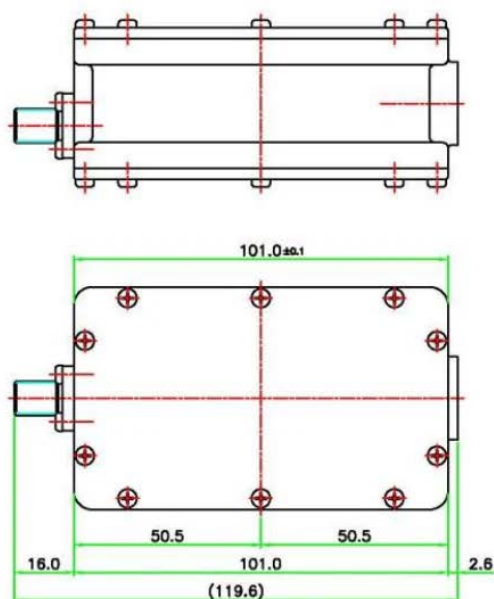
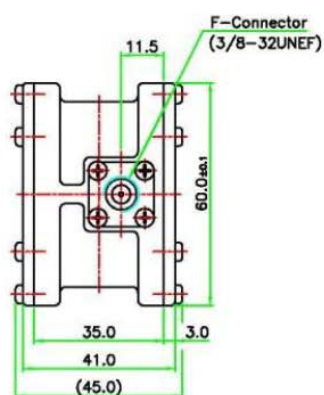
LNB SERIES

MECHANICAL DIAGRAMS



Norsat
International Inc.

Innovative Communication Solutions



Unit : mm

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