

1108DHN-2

1000 Ku-Band Simultaneous Band PLL LNB

Frequency: 2: L 10.95 - 11.7 GHz | H 11.7 - 12.75 GHz

L.O Stability: 1: ± 10 kHz

Output Connector: N: 50 Ohm

Norsat's Low Noise Blocks (LNBs) provide signal reception for satellite communications around the world. We offer premium performance and reliability in the smallest form factor possible. All of our standard Ku-Band LNBs are backed by a 3 year warranty and nearly forty years of experience as the industry's leading provider of high performance LNBs



KEY SPECIFICATIONS

Band	Ku-Band
Input Frequency Band 1	L:10.95 - 11.70 GHz
Input Frequency Band 2	H: 11.70 - 12.75 GHz
LO Frequency 1	L: 10.00 GHz
LO Frequency 2	H: 10.75 GHz
LO Stability	± 10 kHz
LO Type	PLL
Noise Figure Max	.85 dB
Noise Figure Typ	0.8 dB
Number Of Onboard Los	Simultaneous-Band
Output Frequency Band 1	L: 950 - 1700 MHz
Output Frequency Band 2	H: 950 - 2000 MHz

RF SPECIFICATIONS

Conversion Gain Max	62 dB
Conversion Gain Min	50 dB
Conversion Gain Typ	55 dB
Gain Flatness (over Full Band)	≤ 4 dB p-p
Input VSWR	2.2 : 1 max.
Output P1db	+ 5 dBm min.
Output VSWR	2.0 : 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

450 mA max. (each band)

Power Requirements

+12 to +24V DC (each band)

INTERFACE SPECIFICATIONS

IF Connector

N-Connector

RF Input Connector

WR-75 waveguide grooved

ENVIRONMENTAL SPECIFICATIONS

IP Rating

IP 67

Temperature Operational

-40 to +60°C

Temperature Storage

-50 to +70°C

PHYSICAL SPECIFICATIONS

Product Height

40 mm

Product Length

155 mm

Product Weight

0.45 kg

Product Width

42 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 x 95 x 65 mm |

HOW TO ORDER

1108DHF-1

FREQUENCY
(OPTION)

1: L 10.7 - 11.7 GHz
H 11.7 - 12.75 GHz

2: L 10.95 - 11.7 GHz
H 11.7 - 12.75 GHz

CONNECTOR

F - 75 Ohm
N - 50 Ohm

INTERNAL REFERENCE

NOISE FIGURE

08 - 0.8 dB

L.O. STABILITY

1: ± 10 kHz
2: ± 25 kHz

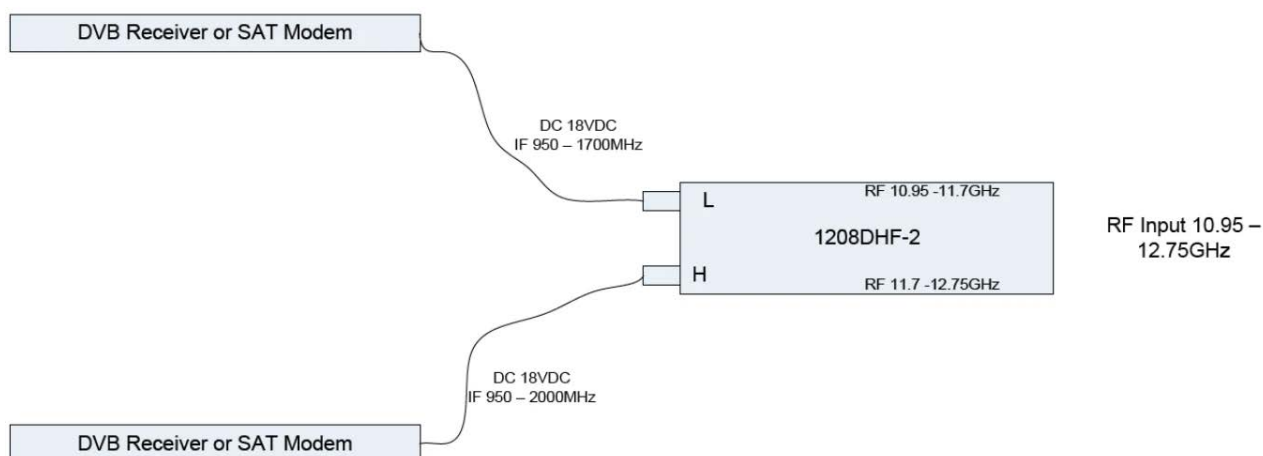
LNB SERIES #

MECHANICAL DIAGRAMS



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International Inc.

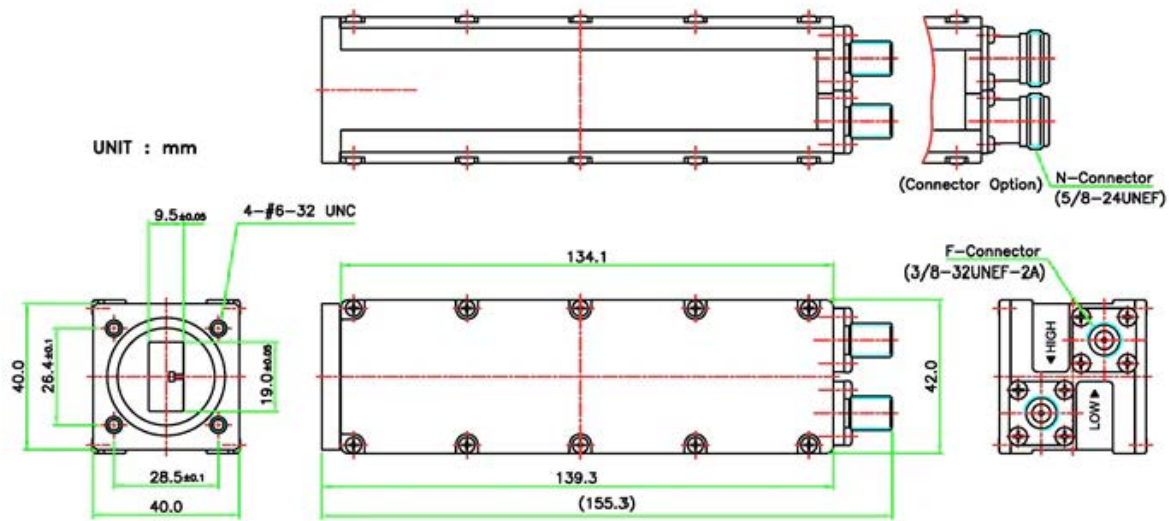
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