



9000XIS

9000 Single Band Ka-Band EXT REF LNB

Connector: S: SMA

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 Ka-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. 9000XI Series.



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
LO Frequency 1	19.20 GHz
LO Stability	Ext Ref
LO Type	EXT
Noise Figure Max	1.8 dB
Noise Figure Typ	1.5 dB
Number Of Onboard Los	Single-Band
Output Frequency Band 1	1000 - 2000 MHz

RF SPECIFICATIONS

Conversion Gain Max	64 db
Conversion Gain Min	56 dB
Conversion Gain Typ	60 dB
Gain Flatness (over Full Band)	≤ 4 dB p-p max.
Input VSWR	1.3 : 1 max.
Output P1db	+ 15 dBm min.
Output VSWR	1.8 : 1 max.
Phase Noise 100khz Offset Max	Depends on External Reference

ELECTRICAL SPECIFICATIONS

Current Consumption	400 mA
Power Requirements	+15 to +24V DC

INTERFACE SPECIFICATIONS



Innovative Communication Solutions

IF Connector

SMA Connector

RF Input Connector

WR-42 waveguide grooved

M and C SPECIFICATIONS

Led Indicators

None

ENVIRONMENTAL SPECIFICATIONS

IP Rating

IP 67

Temperature Operational

-40°C to +60°C

Temperature Storage

-50 to +70°C

PHYSICAL SPECIFICATIONS

Product Height

51 mm

Product Length

153 mm

Product Weight

0.7 kg

Product Width

77 mm

LOGISTICS SPECIFICATIONS

HS Code

Country of Origin

Ex Works

ECCN Number

Unit Package

8517690000

Made in Japan

Richmond, BC, Canada

EAR99

| 0.7 kg

HOW TO ORDER

9000XIN

CONNECTOR

F - 75 Ohm
N - 50 Ohm
S - SMA

ISOLATOR

EXTERNAL REFERENCE

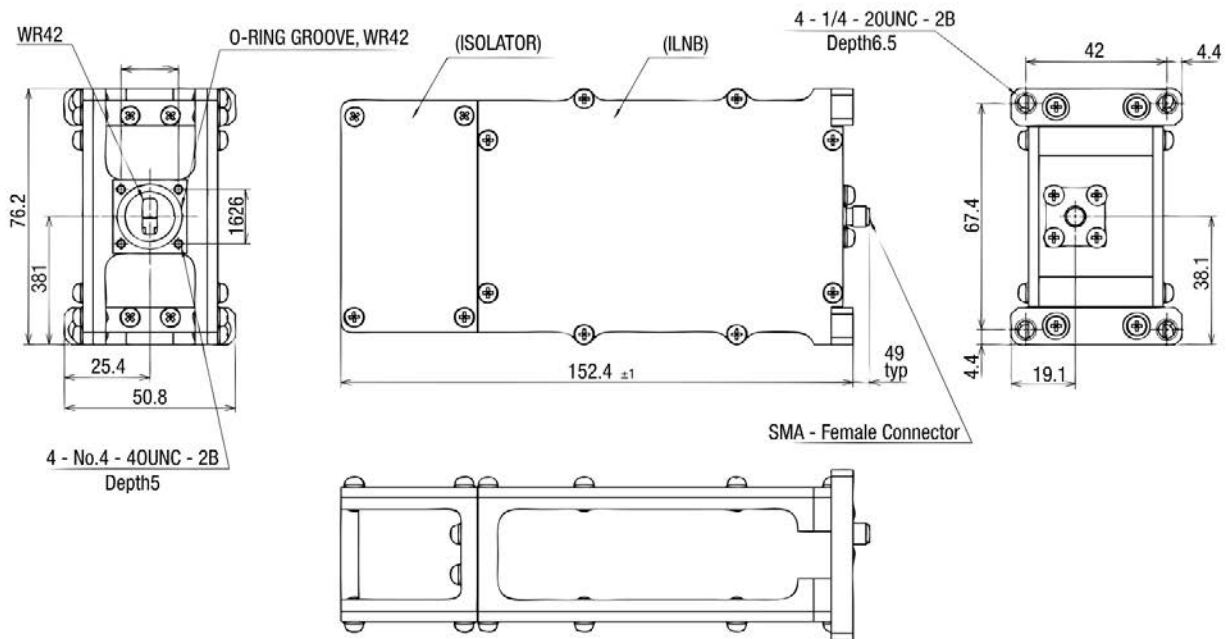
LNB SERIES #

MECHANICAL DIAGRAMS



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Innovative Communication Solutions



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INC

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