



15008LAF

1000 Ku-Band Single Band PLL LNB

Noise Figure: 0.8 dB

Frequency: A: 11.70 - 12.20 GHz

Output Connector: F: 75 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. 15000L Series.



KEY SPECIFICATIONS

Band	Ku-Band
Input Frequency Band 1	11.70 - 12.20 GHz
LO Frequency 1	10.75 GHz
LO Stability	±50 kHz
LO Type	PLL
Noise Figure Max	0.9 dB
Noise Figure Typ	0.8 dB
Number Of Onboard Los	Single-Band
Output Frequency Band 1	950 - 1700 MHz

RF SPECIFICATIONS

Conversion Gain Max	65 dB
Conversion Gain Min	55 dB
Conversion Gain Typ	60 dB
Input VSWR	2.0 : 1 max.
Output VSWR	2.0 : 1 max.

ELECTRICAL SPECIFICATIONS

Current Consumption	170 mA
Power Requirements	+15 to +24V DC

INTERFACE SPECIFICATIONS

IF Connector	F-Connector
RF Input Connector	WR-75 waveguide grooved

M and C SPECIFICATIONS



Led Indicators

None

ENVIRONMENTAL SPECIFICATIONS

Temperature Operational

-40°C to +60°C

PHYSICAL SPECIFICATIONS

Product Height

42 mm

Product Length

110 mm

Product Weight

0.3 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

140 x 50 x 50 mm |

HOW TO ORDER

15007LAF

CONNECTOR

F - 75 Ohm
N - 50 Ohm

FREQUENCY

A - 11.70 - 12.20 GHz
B - 12.25 - 12.75 GHz
C - 10.95 - 11.70 GHz

NOISE FIGURE

07 - 0.7 dB
08 - 0.8 dB
09 - 0.9 dB

L.O. STABILITY

50 - ±50 kHz

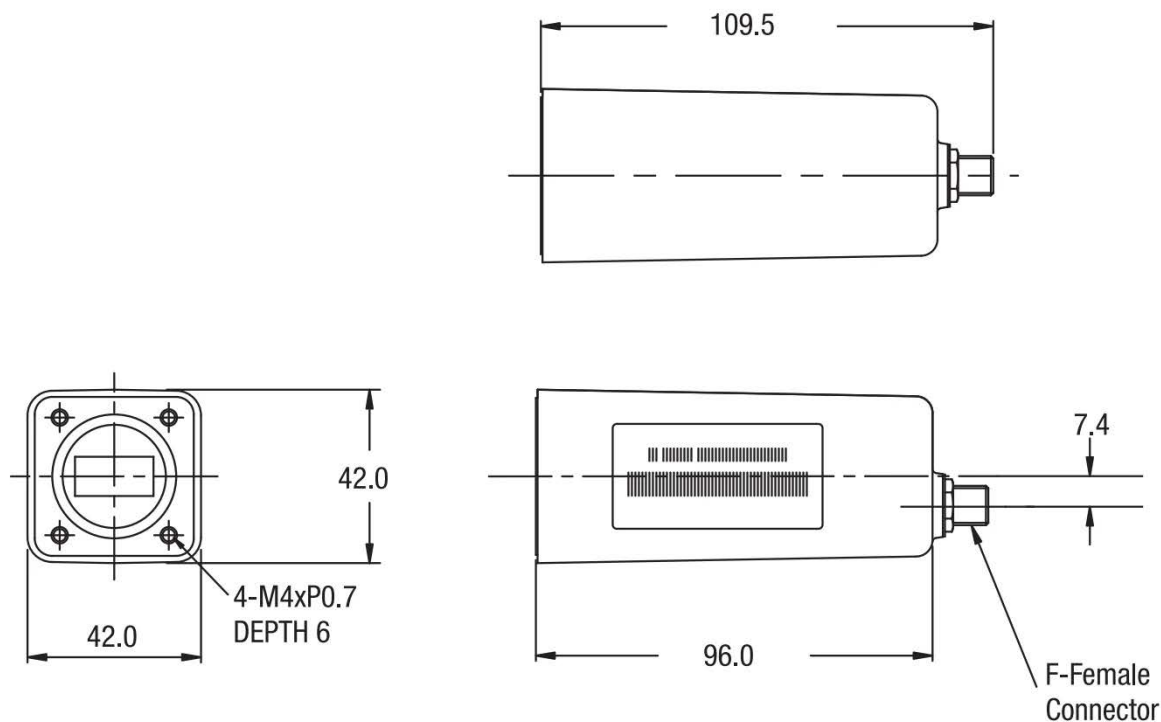
LNB SERIES #

MECHANICAL DIAGRAMS



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