



15009LBF

1000 Ku-Band Single Band PLL LNB

Noise Figure: 0.9 dB

Frequency: B: 12.25 - 12.75 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	12.25 - 12.75 GHz
LO Frequency 1	11.30 GHz
LO Stability	±50 kHz
LO Type	PLL
Noise Figure Max	1.0 dB
Noise Figure Typ	0.9 dB
Number Of Onboard Los	Single-Band
Output Frequency Band 1	950 - 1450 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

Humidity

0 - 95%

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

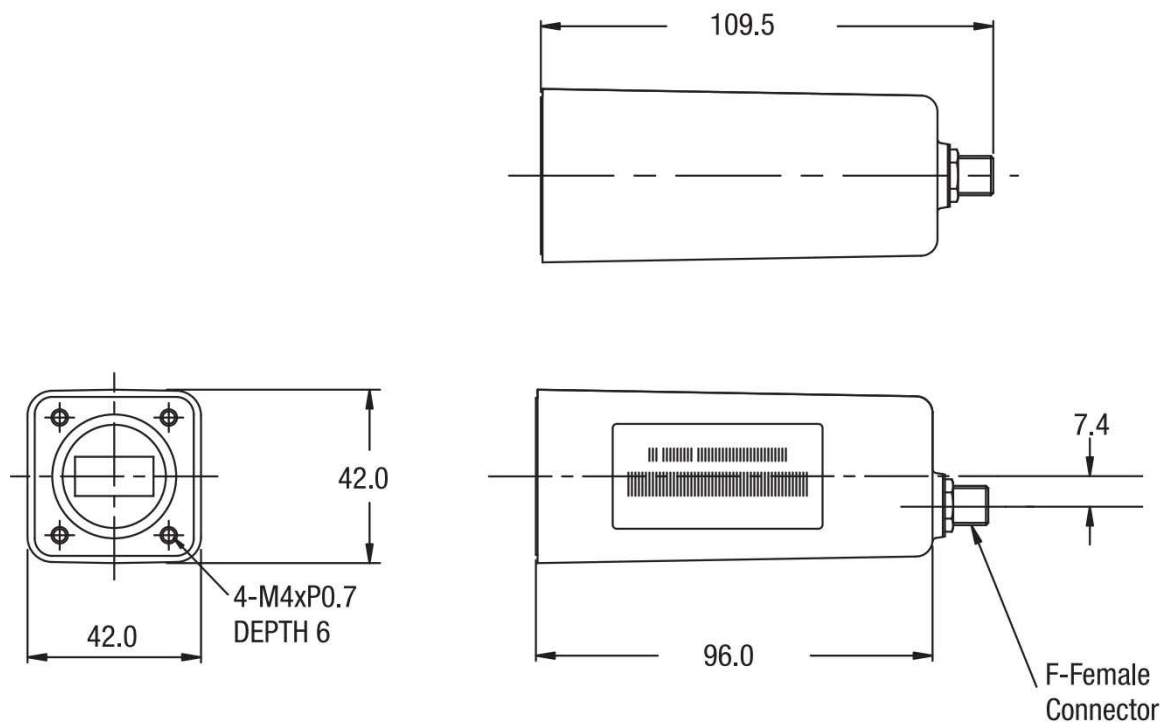
CONNECTOR	F - 75 Ohm N - 50 Ohm
FREQUENCY	A - 11.70 - 12.20 GHz B - 12.25 - 12.75 GHz C - 10.95 - 11.70 GHz
NOISE FIGURE	07 - 0.7 dB 08 - 0.8 dB 09 - 0.9 dB
L.O. STABILITY	50 - ±50 kHz
LNB SERIES #	

MECHANICAL DIAGRAMS



Norsat
International Inc.

Innovative Communication Solutions



ESATCOM
INC

Norsat authorized distributor

Esatcom Inc.

3628 Francis Lewis Blvd.

Flushing, NY 11358

www.esatcom.com

Tel: 718.799.0084

Email: sales@esatcom.com