

9000HBN-2

9000H-2 Single Band Ka-Band PLL LNB

Frequency: B: 19.20 - 20.20 GHz

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 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. 9000H-2 Series.



KEY SPECIFICATIONS

Band	Ka-Band
Input Frequency Band 1	19.20 - 20.20 GHz
LO Frequency 1	18.25 GHz
LO Stability	±60 kHz
LO Type	PLL
Noise Figure Max	1.8 dB
Noise Figure Typ	1.5 dB
Number Of Onboard Los	Single-Band
Output Frequency Band 1	950 - 1950 MHz

RF SPECIFICATIONS

Conversion Gain Max	65 dB
Conversion Gain Min	50 dB
Conversion Gain Typ	60 dB
Gain Flatness (over Full Band)	5 dB p-p
Input VSWR	3.0 : 1 max.
Output P1db	+ 3 dBm min.
Output VSWR	2.5 : 1 max.
Phase Noise 1khz Offset Max	-75 dBc/Hz
Phase Noise 10khz Offset Max	-80 dBc/Hz
Phase Noise 100khz Offset Max	-100 dBc/Hz

ELECTRICAL SPECIFICATIONS



Current Consumption	300 mA
Power Requirements	+15 to +24V DC

INTERFACE SPECIFICATIONS

IF Connector	N-Connector
RF Input Connector	WR-42 waveguide grooved

M and C SPECIFICATIONS

Led Indicators	None
----------------	------

ENVIRONMENTAL SPECIFICATIONS

Temperature Operational	-40°C to +60°C
-------------------------	----------------

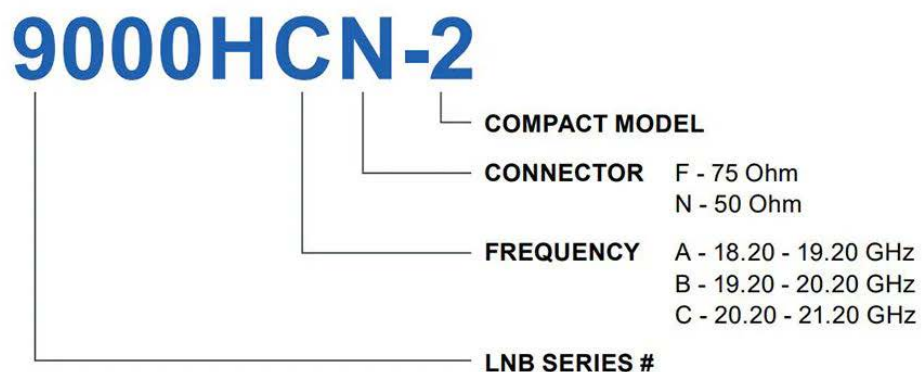
PHYSICAL SPECIFICATIONS

Product Height	42 mm
Product Length	111 mm
Product Weight	0.35 kg
Product Width	42 mm

LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8517690000	Made in Japan	Richmond, BC, Canada	EAR99	130 x 50 x 50 mm 0.3 kg

HOW TO ORDER

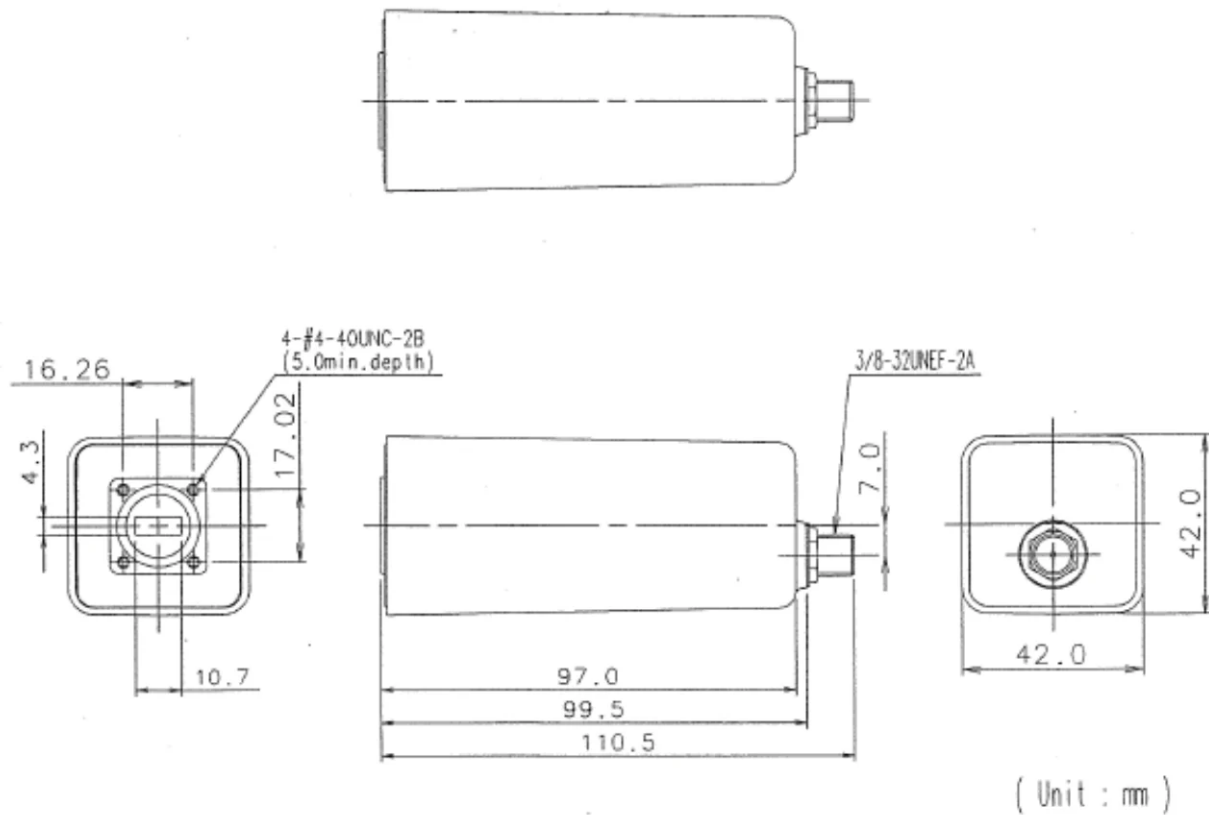


MECHANICAL DIAGRAMS



Norsat
International Inc.

Innovative Communication Solutions



Norsat
International Inc.

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